

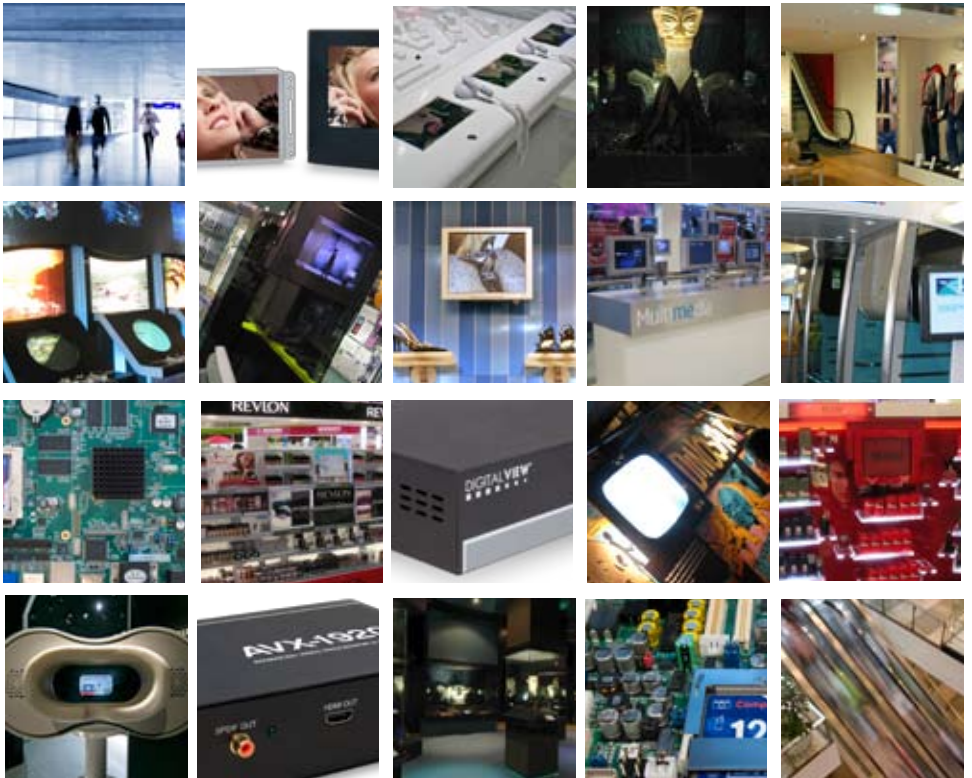


Dedicated To Digital Media....

Digital View is an established global supplier of innovative, reliable and easy to-use video technology – designing and enabling systems across the Digital Signage & A/V sectors.

In its 15 year history, Digital View has delivered professional video, digital advertising, point-of-purchase and product demonstration systems to some of the world’s leading brands, museums, retailers and corporates.

With over 100,000 eye-catching and engaging digital video systems installed across the globe, Digital View offers a market-leading combination of product, quality and experience.





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The Ingredients...

A complete end-to-end product line for all mainstream digital media needs.



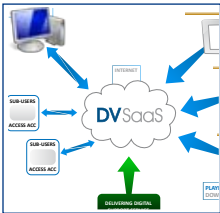
Digital Media Players: ViewStreams

The Digital View ViewStream™ range deliver crystal clear high definition digital video and digital audio. These lightweight, compact, networkable interactive digital media players have no moving parts and run off ultra-reliable solid state flash memory. They offer >100,000 hours of disk-free, tape-free & trouble-free playback.



Professional Picture Frames: VideoFlyers

The Digital View VideoFlyer™ range offers high quality digital LCD panels with integrated ViewStream media players in robust commercial enclosures. These high bright all-in-one systems are available from 6" to 20" diagonal, they are fully customizable, with lockable power supplies and a range of device control options, including touch screens, RS-232, motion sensors & buttons.



Digital Signage Hardware & Software:

Digital View supplies a range of hardware dedicated to the digital signage and networked media markets. Our RemotePlayer™ range includes both solid state high definition media players and industrial specification media-ready PC systems. We supply a selection of FTP networking software - DV-Sync, DV-Connect & DV-SaaS. These enable the simple update of content and media across either local area networks or the internet. Our PC players support embedded windows for use with commercial CMS systems such as Scala, EnQii, signagelive & BroadSign.



Video Processors & Scalers:

The Digital View Pro-Control™ Series of video processors, scalers and media switches offer advanced application options on image control and media playback for applications across the A/V industry. Overlaying 10 years worth of high end engineering know-how into a host of superior image manipulation and signal processing capabilities.



The Growing Markets for Video...

Retail

Brands and retailers are seeking new ways to engage with their customers – to differentiate their products, stand out from the competition and improve the retail experience.

- Retail Promotion
- Product Demonstration
- Interactive Product Selectors
- Retail Theatre
- Queue Management
- Shelf-Edge Advertising

Retailers all over the world are using Digital View media products



Pro-A/V

From corporate lobbies to houses of worship and schools – the information revolution means that video is fast becoming an essential feature of everyday life in almost every environment.

- Corporate Lobbies
- Presentation Theatres
- Exhibitions
- Company Showrooms
- Education
- Entertainment

Pro-A/V operators all over the world are using Digital View media products





Digital Signage

From signage to out-of-home advertising, media contractors and landlords are turning to digital media technology for dynamic creative that maximizes revenue and reduces clutter.

- Digital Advertising
- Wayfinding
- Digital Menu Boards
- Interactive Kiosks
- Safety Panels
- Message Boards

Digital Signage operators all over the world are using Digital View media products



Museums

Innovation is enabling museums to bring exhibits alive with rich video media and interactive experiences. Educating and informing in ever more exciting and entertaining ways.

- Museum Video Store
- Interactive Exhibits
- Digital Signage
- Digital Docents
- Rich Media Experiences
- Audio Effects

Museums all over the world are using Digital View media products









Applications & Case Studies



MARKET	APPLICATION	CASE STUDY IMAGE	CASE STUDY NOTES
Museum Video Store	Bringing museum exhibits alive		Natural History Museum uses VS-500 to show HD quality images to support its permanent exhibitions in London with rich video media
Digital Docent	Video information at galleries and shows		Museum of Culture in Hong Kong uses the VS-300 with touch screen to provide exhibit information in digital format
Company Showroom	Exciting video presentations and mixed format implementations		This Smart Car showroom is using the VS-300 in a purpose built pair of binoculars to create a unique visual experience in the car showroom
Digital Signage	Corporate media and advertising		Elevator Channel combines a mix of formats on the VS-500 to split screen formats, ticker images and multiple screen zones
Retail Theater	High concept retail environments with controller video applications		Nine West is using a clever combination of stylishly designed merchandising with synchronized VS-300 media players

Applications & Case Studies

MARKET	APPLICATION	CASE STUDY IMAGE	CASE STUDY NOTES
Exhibitions / Trade Shows	Imaginative and eye-catching installations on corporate booths		Mercedes trade fair booth used a combination of VS-300 players integrated into desks with LCD screens demonstrating routes around the city
Interactive Exhibition Displays	Buttons, levers, motion sensors, interactive floor mats, touch screens and other experience installations		A mixture of physical interactivity controls these displays within London's Science Museum – bringing the exhibit alive and educating through engagement
Digital Advertising	Digital out-of-home and video based advertising opportunities		CBS Outdoor uses the VS-500 in the escalators of the London Underground to create the unique 'Image Flow' advertising medium across multiple screens
Retail Promotion	Window, Aisle & Shelf-mounted displays promoting products with rich media		Tissot used the VS-300 in window retail displays for watches. Displaying a loop of life-style imagery for its wrist-watch range
Product Demo	Explain product features		Byron use the VS-300 to cover all the many features and ring variations of its different bell products. These are installed across Europe's DIY stores
Interactive Product Selector	Video based catalogues for product information and retail decision support		Nokia installed in Carphone Warehouse stores, a mix format VS-500 solution offering interactive button and touch screen control displaying phone features

Applications & Case Studies

MARKET	APPLICATION	CASE STUDY IMAGE	CASE STUDY NOTES
Corporate Lobbies	Welcome screens and corporate promotional messaging		Digital View is using the VS-500 in its own lobby to provide welcome images and promotional media to visiting customers and suppliers
Safety Panel Information	Looping video messaging on safety procedures and instructions		Fire & Safety , or medical equipment or exit instructions can be built into looping video and instruction sequences for playback during emergencies
Wayfinding	Directional signage and emergency messaging		MTR Airport Express uses the VS-500 to display travel and directional information for passengers heading from Central to the Airport
Queue Management	Call forward systems with integrated video messaging		In busy airport, museum and retail environments, queue management systems are being combined with video messaging systems to provide information and entertainment to queuing customers
Education	Video serving, presentation & teaching support		Lecture theatres and school rooms that require video presentation, can store and network video room-to-room on the VS-500
Message Boards	Instant messaging and information		Canadian company Free-phone used the VS-500 to display advertising and simple messages to payphone users in shopping malls

Applications & Case Studies

MARKET	APPLICATION	CASE STUDY IMAGE	CASE STUDY NOTES
Theme Park Entertainment	Controlled video playout for entertainment & experiential rides		Kids rides and major theme park experiences use the VS-300 with RS-232 controlled video sequences that happen in time with the experience
Gaming Systems	Embedded video-based story telling		With most jackpot machines moving from wheels to LCD panels, gaming machines are using video in other ways to support the games, with smaller panels around the system.
Vending Machines	Interactive dispensing and self-service information		Lucky Strike use the VS-300 with RS-232 control mechanisms to promote the eye-catching vending machine and connect different vending choices to different videos
Digital Menu Boards	Video menu systems, synchronized with local control		In Ohio State University the food court is using the VS-300 to provide electronic menu boards that give it greater control and faster turnaround with menu choices
Display Back-Up	Fail-over to complex display systems, ensures constant video display		Esprit Digital use the VS-300 as a built-in back-up to their main PC media players, within their large format displays. These players run in case the PC fails.
Audio Store	Audio-only systems for retail, museums & public spaces		The VS-300 and VS-500 products can be used to play and control audio only experiences .

ViewStream™ Overview



The ViewStream™ family are Digital View’s range of stand-alone, solid state digital media players. Dedicated, easy-to-use, cost effective, high definition digital media products that offer highly reliable performance and a range of device control options.

Over 100,000 ViewStreams™ have been delivered across the globe, in projects across Retail Media, Digital Signage, Museums and A/V sectors. Not only opening up interesting new market opportunities for video - but also replacing unreliable tape-based, dvd-based & pc-based installations in existing applications.

Quick Guide

	ViewStream™ 500	ViewStream™ 300	ViewStream™ 100
MPEG-1/2	1920x1080	720x480, 720x576	720x480, 720x576
MPEG-4	1920x1080	720x480, 720x576	720x480, 720x576
MOV	1920x1080	-	-
WMV	1920x1080	-	-
JPEG	1920x1080	1280x960	640x480

- Dedicated Digital Media Players
- High-Reliability - 3 years warranty
- Plug & Play Simplicity
- High-Definition, Digital Audio
- Fully Interactive - RS-232 Device Control
- Free Scheduling Software - DVStudio

Find ViewStreams™ in:

- Museums
- Company Showrooms
- Digital Signage
- Interactive Exhibition Displays
- Digital Advertising
- Queue Management
- Safety panel Information
- Wayfinding
- Message Boards
- Theme park Entertainment
- Retail Promotion
- Digital Menu Boards



ViewStream™ Features & Benefits

1	Reliability	The ViewStream™ players are solid state devices that offer bullet-proof reliability - with no mechanical moving parts, no fans - the players are guaranteed for 3 years trouble-free operation.
2	Quality Images	The ViewStream™ players support upto full 1080P/60 High Definition media content - providing Blue-Ray standard playback.
3	Fit for Purpose	The ViewStream™ players are dedicated devices for digital media applications, they are designed for 24/7 playback in non-managed environments.
4	Plug & Play	The ViewStream™ players are designed to work straight out of the box. Simply switch the player on, and watch the content play.
5	Easy Update	The ViewStream media players can be updated by inserting a pre-loaded USB memory stick into the player. The Viewstream automatically updates and re-starts.
6	Free Digital Signage	The ViewStream 500 is offered with free networking software, to enable the content to be updated and managed over a network or the internet.
7	Interactive Options	The ViewStream players offer full support for interactive applications - from simple push button, to motion sensor, touch screen & full bar code support.
8	Instant Response	The interactive functions offer instant response - there is no delay as content is referenced for playout - all content is directly accessed for instant playback.
9	Easy Installation	The ViewStream family are all small form factor, elegantly packaged in lightweight enclosures to ensure easy installation and mounting.
10	Free Scheduling Software	The ViewStream range is supplied with free scheduling software - which works with the onboard real-time clock to provide complex scheduling functions.
11	Fast Auto-Start	The ViewStream range will auto-start after power up within a matter of seconds. There is no long 'boot up sequence' or 'on-screen messaging'.
12	Compliance Reports	The ViewStream players record every file play and every interactive selection - this information can be downloaded to a full field media compliance reporting.
13	Device Control	The ViewStream range can be integrated with any RS-232 device, such as an AMX or Crestron controlled system - for media control within an A/V solution.
14	Event Trigger	The ViewStream range can also output RS-232 - enabling it to control other RS-232 devices - so a specific action can be triggered when a specific file is played.
15	Flexible Media Formats	The ViewStream range can support the full range of MPEG1/2/4, JPEG, AVI, MOV, WMV, BMP, GIF media file formats.
16	Multiple Outputs	The ViewStream products offer Composite, VGA, S-Video, HDMI, YPbPr & DVI connectors and outputs.
17	Digital Audio Output	The ViewStream offers a digital audio output, with professional quality digital over coaxial in the VS-500 HD player.
18	Low Power	ViewStream Players consume only 6W - 75% less than a DVD or Blu-Ray Player and 90% less than a PC. The fanless design offers silent operation
19	Tried & Tested	3rd generation products, over 100,000 Viewstream players have been sold in a diverse range of applications - Digital View provides local support in USA, Europe & Asia.
20	Cost Effective	The ViewStream players are competitively priced, with a low total cost of ownership that guarantees an affordable digital media solution.



ViewStream™ Comparison

	ViewStream 500	ViewStream 300	ViewStream 100
			
MPEG-1/2	1920x1080	720x480, 720x576	720x480, 720x576
MPEG-4	1920x1080	720x480, 720x576	720x480, 720x576
MOV	1920x1080	-	-
WMV	1920x1080	-	-
JPEG	1920x1080	1280x960	640x480
S-Video out	√	√	√
Composite out	√	√	√
Audio out	√	√	√
VGA - 1280 x 720	√	√	-
VGA - 640 x 480	√	√	√
Component out (YPbYPr)	√	√	-
HDMI out	-	-	-
DVI out	√	-	-
Compact Flash Support	√	√	√
USB Client Support	-	-	Yes Mini USB
USB Host Support	Yes 1 Port	Yes 1 port	-
SATA Hard Drive Storage	-	-	-
Alpha-numeric file play	√	√	√
Playlist support	√	√	√
Scheduling	√	√	√
Motion sensor	√	√	√
Touch screen	√	√	√
External buttons	√	√	√
Data capture	√	√	√
Manual control	-	√	√
Firmware upgrade	√	√	√
RS-232 input/output	√	√	-
Barcode scanner support	√	√	-
IR control	-	√	√



Benefits of Solid State Players

The Digital View ViewStream products are dedicated solid state media players - these devices offer a range of advantages over other methods of displaying video content.

- Reliable
- Low Carbon Footprint
- Free software
- Long lifetime
- Instant playback
- Cost Effective

This table compares the differences between using Digital View solid state players and PC's, DVD's & VHS systems.

	Digital View Media Player	Standard Signage PC	DVD Player	VHS Player
Storage	Solid State Flash Memory	Spinning Hard Disk Drive	Spinning DVD Drive	Tape
Image Quality	Constant	Constant	Disks Easily Damaged	Tape Degrades Over Time
Noise	Silent	Fan Noise	Silent	Drive / Rewind Noise
Control Mechanism	Automatic	Keyboard	Menu / Infra-red	Button / Infra Red
Operating System	Dedicated	Windows	Dedicated	None
Cost of O/S	Free	License Fee	Free	Free
Power Consumption	Low <25W	High > 100W	Low <25w	Low <25w
Size	Small 210x150mm	Medium to large	Medium to Large	Medium to Large
Weight	From 250g	Typically heavier	Typically Heavier	Typically Heavier
Start Up Time	Instant	2 Minute Boot Up	1 Minute Boot Up	Seconds
Response Time	Instant	Processing Time	Processing Time	Not Interactive
Life Time	100,000 Playing Hours	30,000 Playing Hours	30,000 Playing Hours	1000 Plays
Warranty	3 Years	1 Year	1 Year	1 Year
Functionality	Dedicated	General	Dedicated	Dedicated
Media Support	Designed for 24/7 playback	Not Designed for Constant Playback	Not Designed for Constant Playback	Not Designed for Constant Playback
Decoder	Hardware	Software	Hardware	n/a
Formats	All - But Limited Flash	All with High Power CPU	DVD Formats Only	Low Quality VHS Format Only
Interactivity	Interactive - But Not Internet	All inc Internet	Limited Button Support	Not Available
Touch Screen	No additional software required	Additional Software Required	Not Available	Not Available
Available 'Board Only' Integration	Yes	Not Available	Not Available	Not Available
Networking	No Additional Software Required	Additional Software Available	Not Available	Not Available
O/S Upgrade	Downloadable	Re-Install	Not Available	Not Available
Installation	Plug & Play	Set Up Required	Plug & Play	Plug & Play
Cost	Low Cost	Medium to High	Low Cost	Low Cost



ViewStream™ 500



Introduction:

The ViewStream™ 500 (VS-500) is a digital video and audio player designed for HD playback of MPEG-1,2 & 4 and high resolution still pictures on HDTV and LCD monitors in commercial environments. The videos and pictures are stored and played directly from a solid state Compact Flash memory card. The VS-500 supports many resolutions including 1080p60 through HDMI output.

Key Features:

- MPEG 1, 2 (PS-TS), 4 (DivX, XviD, AVC/ H.264), Quicktime, Windows Media (VC1), JPEG, Bitmap, GIF
- Supports 1080p /60
- Video tracks play according to a playlist created in DV-Studio or Alphanumeric order
- The Host USB port enables content on the CF card to be updated automatically from a USB flash drive & retrieval of the stored Data Log files
- RS-232 Serial Port Supports a wide range of input / output devices

Ordering Options:

P/N 5871804XX-3 VS-500 Bulk Pack (Includes: PSU and Mains Lead)

P/N 5871801xx-3 VS-500 Promotional Pack (Includes: PSU, Mains Lead and Connecting Cables)

P/N 417180020-3 DN-5

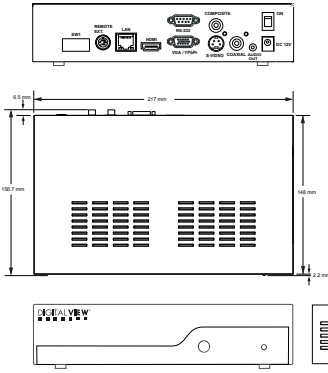
Rack Version: VS500/R

The VS-500 is also available in a 19" rack mount unit.





ViewStream™ 500 Specifications



Storage Media:

Compact Flash card

Video Output:

HDMI / DVI* / VGA / YPbPr* / Composite / S-Video

Audio Output:

Stereo phone jack. Digital Coaxial

Playback Functions:

Play / Stop / Pause / Repeat
Previous track / Next track /
Volume / Mute / Loop play-
back / Sequence play / Startup
mode / Sleep mode

Touch Screen Functions:

Support Analog touch glass
and IT (segment type) touch
glass

External I/O ports:

RS-232 (9600, N-8-1) / USB
(Data upload) / Infra-red
(With DV IR handset) / Re-
mote Ext. (For button & touch)

Network:

RJ-45 LAN connector (N/A)

LEDs:

Power LED / Network LED

Real Time Clock:

Battery-backup RTC

Power Requirement:

DC 12V input

Power Consumption:

500mA @12V

Operating Temp:

0° C to 50° C

Relative Humidity:

5% - 95% relative humidity
(Non-condensing condition)

Integrator Option: DN-5

The DN-5 is the board only version of the ViewStream-500. All the same features without the case, allowing for easy integration into any custom installation





ViewStream™ 300



Introduction:

The ViewStream 300 is designed for the playback of MPEG-1, 2, & 4, JPEG, and MP3 files on video monitors in commercial environments. The files are stored and played directly from a solid state Compact Flash memory card.

Key Features:

- MPEG 1, 2, 4 MPEG Stills, MP3 and JPEG file formats
- RS-232 Serial Port and a Host USB port
- The serial port provides support for industry standard barcode readers and optionally it can support a wide range of serial input / output devices
- The Host USB port enables content on the CF card to be updated automatically from a USB flash drive.

Ordering Options:

P/N 587160000-3 VS-300

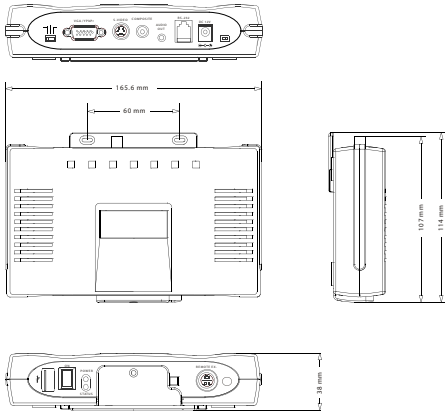
P/N 417160000-3 M3-300

Rack Version: VS300/R

The VS-300 is also available in a 19" rack mount unit....



ViewStream™ 300 Specifications



Storage Media:
Compact Flash card

Video Output:
Signal type : Composite or S-Video
Output format : PAL/NTSC

Audio Output:
Line out : RCA jack, 3.2V p-p max. 5Kohm

Playback Functions:
Standard playback :
Play / Stop / Pause /
Repeat / Previous / Next Track / Volume

Programmable Play Back:
Loop / Auto and Program mode

External I/O ports:
RS-232 Port (option) / USB / VGA port /
Remote Ext.

Playable Format:
MPEG-1 video (Video CD)*
MPEG-2 video (DVD)*
MPEG-4 video
MPEG still picture
MP3 audio
JPEG still picture
VGA

Power:
12vDC, 600mA typical

Weight (net):
250g

Integrator Option: M3-300

The M3-300 is the board only version of the ViewStream 300. All the same features without the case, allowing for easy integration into any custom installation





ViewStream™ 100



Introduction:

The ViewStream 100 is a digital video and audio player designed for the playback of MPEG-1,2 & 4 and still picture on TV and video monitors in commercial environments. The videos are stored and played back directly from solid state CompactFlash memory card.

Key Features:

- MPEG 1, 2, 4 MPEG Stills, MP3 and JPEG file formats
- Standalone player able to play content from a CF Card either sequentially or according to a programmed playlist
- Selectable video output formatted for VGA at 640 x 480 or Composite / S-Video in either NTSC or PAL formats along with line-out audio
- A battery-backed real time clock enables scheduled playlist events. An 8-input event trigger port enables a wide range of standard buttons and other peripherals to be used to create high levels of interactivity

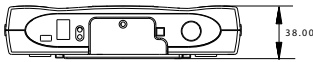
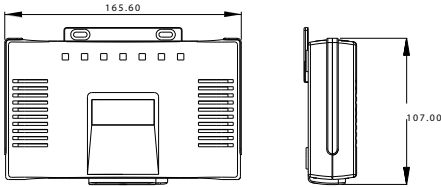
Ordering Options:

P/N 5868900-40 VS100
P/N 5868900-41 VS100 - RS-232 Model (RS-232 Cable is required)
P/N 416890061-3 M3-100

Software - Data Capture

The ViewStream media players continually capture data when operating. These files can be read as TEXT FILES on any computer. The data can be used to provide a complete compliance report on media playback - or alternatively to assess which interactive options are generating the most user interest.

ViewStream™ 100 Specifications



Storage Media:

Compact Flash card

Video Output:

Signal type : Composite or S-Video
Output format : PAL/NTSC

Audio Output:

Line out : RCA jack, 3.2V p-p max. 5Kohm

Playback Functions:

Standard Playback : Play / Stop / Pause / Repeat / Previous / Next Track / Volume

Programmable Playback : Loop / Auto and Program mode

Playable Format:

MPEG-1 video (Video CD)*
MPEG-2 video (DVD)*
MPEG-4 video
MPEG still picture
MP3 audio
JPEG still picture
VGA

External I/O ports:

RS-232 Port (option) / USB / VGA port / Remote Ext.

Power:

12vDC, 600mA typical

Weight (net):

250g

Integrator Option: M3-100

The M3-100 is the board only version of the ViewStream 100. All the same features without the case, allowing for easy integration into any custom installation





VideoFlyer™ Overview



The VideoFlyer family are Digital View’s range of high quality LCD panels & ViewStream media player combinations. The systems are available from 7” to 20” integrated into robust commercial enclosures. These commercial quality ‘picture frames’ are all designed for 24/7 playback making them the right choice for retail, museum and professional environment applications.

Offered with the same reliability guarantees as the Digital View ViewStream products - the VideoFlyers offer all the added value benefits and features of the ViewStream media players;

Quick Guide

	8” VideoFlyer	10” VideoFlyer	15” VideoFlyer	20” VideoFlyer
WideScreen		√		
MPEG 1-2	√	√	√	√
MPEG 4				
JPEG	√	√	√	√
MP3	√	√	√	√
Speakers	√	√	√	√

- High Reliability 24/7 Playback
- Interactive Touch Screen
- Device Control
- Reduce Cabling
- USB update
- Free Scheduling Software

Find VideoFlyers in:

- Museums
- Company Showrooms
- Digital Signage
- Interactive Exhibition Displays
- Digital Advertising
- Safety panel Information
- Wayfinding
- Theme park Entertainment
- Retail Promotion
- Digital Menu Boards



VideoFlyer™ Features & Benefits

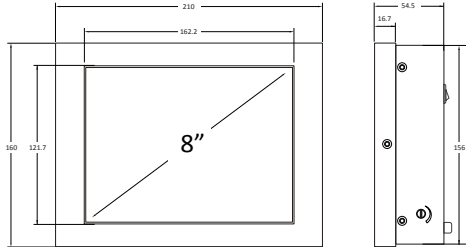
1 Fit For Purpose	The VideoFlyer high quality LCD panels & ViewStream media players are integrated into robust commercial enclosures - designed for 24/7 playback in retail, museum & professional environments
2 Reduced Cabling	The VideoFlyer all-in-one enclosure means that no extra cabling is required between player & screen - which means less potential points of failure and easy integration.
3 Touch Screen Options	The VideoFlyers are all supplied with the option of integrated touch screens - offering full customer interactivity and control of media playback.
4 High Quality Images	The VideoFlyers support upto full 1080P/60 High Definition media content - providing Blue-Ray standard media playback.
5 Range Of Sizes	The VideoFlyers are offered in a range of sizes from 7" to 20" - with media and design compatibility and consistency across the range
6 Easy Update	The VideoFlyers can be updated by inserting a pre-loaded USB memory stick into the enclosure. The VideoFlyer will automatically read and update any new content – re-start.
7 Reliability	The VideoFlyers are solid state devices that offer bullet-proof reliability - with no mechanical moving parts, no fans - the systems deliver more than 5 years 24/7 playback
8 Plug & Play	The VideoFlyers are designed to work straight out of the box. Simply switch the player on, and watch the content play.
9 Free Digital Signage	The VideoFlyers can be supplied with free networking software, to enable the content to be updated over a network or the internet
10 Instant Response	The interactive functions offer instant response - there is no delay as content is referenced for playback - all content is directly accessed for instant playback
11 Free Scheduling Support	The VideoFlyers are supplied with free scheduling software - which works with an onboard real-time clock to provide complex scheduling functions
12 Fast Auto-Start	The VideoFlyers will auto-start after power up within a matter of seconds. There is no long 'boot up sequence' or 'error messaging'
13 Data Logging	The VideoFlyers record every file play and every interactive selection - this information can be downloaded to a full field media compliance reporting
14 RS-232 Control	The VideoFlyers can be integrated with any RS-232 device, such as an AMX or Crestron controlled system - for media control within an A/V solution
15 Event Trigger	The VideoFlyers can also output RS-232 - enabling it to control other RS-232 devices - so a specific action can be triggered when a specific file is played
16 Flexible File Formats	The VideoFlyers can support the full range of MPEG1/2/4, JPEG, AVI, MOV, WMV, BMP, GIF media file formats
17 Digital Audio Output	The VideoFlyers can be supplied with integrated speakers or offer a digital audio output, with professional quality digital over coaxial
18 Low Power	The VideoFlyers operate on less than 2A - with 12VDC output, they offer significant power saving and with no fans means no background noise
19 Tried & Tested Technology	3rd generation products, over 100,000 Digital View media devices have been sold in a diverse range of applications - and Digital View operates local offices in USA, Europe & Asia
20 Cost Effective	The VideoFlyers are competitively priced, with a low total cost of ownership that guarantees an affordable digital media solution



8" VideoFlyer™

Introduction:

The VideoFlyer 8" is a self-contained digital video viewing monitor for looping video display with a touchscreen video option. The unit comprises of 8" TFT LCD panel with built-in speakers. Video is stored and played back from a plug-in and play Compact Flash memory card.



Order P/N: 586950000-3

Features:

Enclosure :

Robust lightweight aluminium enclosure available in silver or black.

Storage Medium :

CompactFlash memory card:
512MB/ 1GB / 2GB / 4GB / 8GB

Audio Output :

Built-in stereo speakers (Left/Right)

Barcode Scanner :

An optional barcode scanner is integrated. A typical use for this is to enable users to scan barcodes and have a related track play.

Touch Screen :

Optional touch screen (8 buttons) support with playlist programmable interactivity.

Loop mode :

Videos can be set to play in a continuous loop either individually or in sequence.

Auto mode :

Videos can be set to sleep mode or auto playback at power up.

Program mode:

All tracks and scheduled functions can be programmed by DV Studio software which writes the MPEG video files on to the CompactFlash card.

Standard Playback :

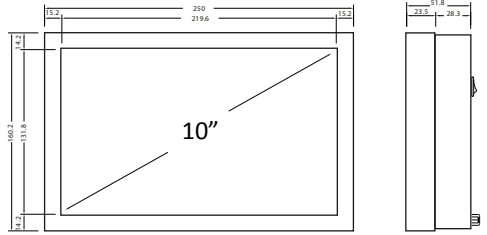
Standard player modes - play, stop, pause, repeat, previous track, next track, volume control, mute. Specific track or playlist select.



10" VideoFlyer™

Introduction:

The VideoFlyer 10" is a self-contained digital video viewing monitor for looping video display with a touchscreen video option. The unit comprises of 10" TFT LCD panel with built-in speakers. Video is stored and played back from a plug-in and play Compact Flash memory card.



Order P/N: 586990000-3

Features:

Enclosure :

Robust lightweight aluminium enclosure available in silver or black.

Storage Medium :

CompactFlash memory card:
512MB/ 1GB / 2GB / 4GB / 8GB

Audio Output :

Built-in stereo speakers (Left/Right)

Barcode Scanner :

An optional barcode scanner is integrated. A typical use for this is to enable users to scan barcodes and have a related track play.

Touch Screen :

Optional touch screen (8 buttons) support with playlist programmable interactivity.

Loop mode :

Videos can be set to play in a continuous loop either individually or in sequence.

Auto mode :

Videos can be set to sleep mode or auto playback at power up.

Program mode:

All tracks and scheduled functions can be programmed by DV Studio software which writes the MPEG video files on to the CompactFlash card.

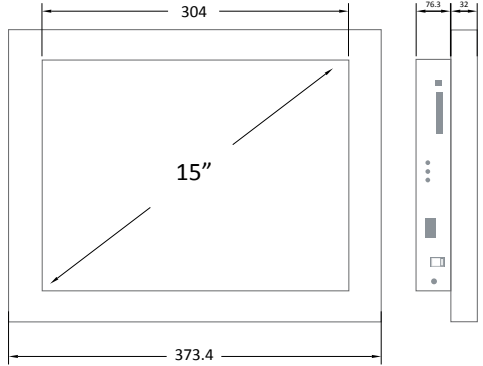
Standard Playback :

Standard player modes - play, stop, pause, repeat, previous track, next track, volume control, mute. Specific track or playlist select.

15" VideoFlyer™

Introduction:

The VideoFlyer 15" is a self-contained digital video viewing monitor for looping video display with a touchscreen video option. The unit comprises of 15" TFT LCD panel with built-in speakers. Video is stored and played back from a plug-in and play Compact Flash memory card.



Order P/N: 587040010-3

Features:

Enclosure :

Robust lightweight aluminium enclosure available in silver or black.

Storage Medium :

CompactFlash memory card:
All sizes upto 32Gb

Audio Output :

Built-in stereo speakers (Left/Right)

USB Support :

A regular USB port is provided for the content update without removing the CF card.

Interactivity :

A range of interactive options are available including touch screen, buttons as well as innovative switching options.

Loop mode :

Videos can be set to play in a continuous loop either individually or in sequence.

Auto mode :

Videos can be set to sleep mode or auto playback at power up.

Program mode:

All tracks and scheduled functions can be programmed by DV Studio software which writes the MPEG video files on to the CompactFlash card.

Standard Playback :

Standard player modes - play, stop, pause, repeat, previous track, next track, volume control, mute.

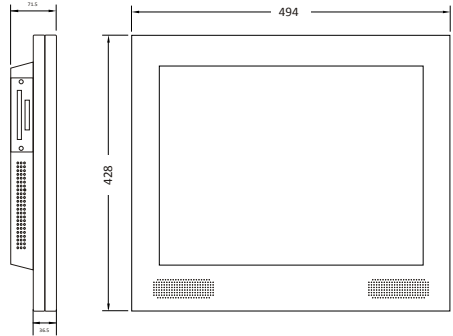
Specific track or playlist select.



20" VideoFlyer™

Introduction:

The VideoFlyer 20" is a self-contained digital video viewing monitor for looping video display with a touchscreen video option. The unit comprises of 20" TFT LCD panel with built-in speakers. Video is stored and played back from a plug-in and play Compact Flash memory card.



Order P/N: 5869600-10

Features:

Enclosure :

Robust lightweight aluminium enclosure available in silver or black.

Storage Medium :

CompactFlash memory card:
512MB/ 1GB / 2GB / 4GB / 8GB

Audio Output :

Built-in stereo speakers (Left/Right)

USB Support :

A regular USB port is provided for the content update without removing the CF card.

Interactivity :

A range of interactive options are available including touch screen, buttons as well as innovative switching options.

Loop mode :

Videos can be set to play in a continuous loop either individually or in sequence.

Auto mode :

Videos can be set to sleep mode or auto playback at power up.

Program mode:

All tracks and scheduled functions can be programmed by DV Studio software which writes the MPEG video files on to the CompactFlash card.

Standard Playback :

Standard player modes - play, stop, pause, repeat, previous track, next track, volume control, mute. Specific track or playlist select.



System Builders



OPEN FRAME OPTIONS

The VideoFlyers are available as both cased and OPEN FRAME options. The open frame chassis versions consist of the full system without the enclosure. The components are conveniently mounted onto a metal plate, designed for easy mounting within your own system design.

BUILD YOUR OWN : DIRECT DRIVE TO LCD PANEL

M3-310

A board-level solid-state digital video/audio player integrated with a LCD interface for driving a LCD panel directly.

Key Features:

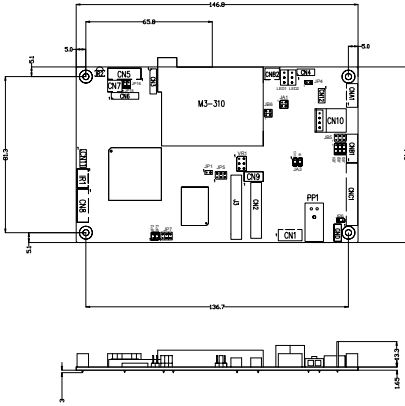
- **Integrated LCD Controller & Media Player** - Built with solidstate technology the M3-310 is a board level digital video/audio player with an interface that integrates with an LCD panel to drive the LCD directly.
- **Easy Media Updates** - The M3-310 uses a compact flash memory card allowing for easy update of media to the card via USB storage, making it simple for users to quickly update their media.
- **Custom Development** - With a highly professional and dedicated team of engineers, you can easily get custom features built to add on to your M3-310, giving you the freedom to imagine almost any application.
- **The M3-310** will support MPEG - 1 video, MPEG - 2 video, MPEG - 4 video, JPEG (still image) and Digital Audio 44.1kHz stereo, 224kbit/s

Ordering Options:

P/N 417200000-3 M3-310



M3-310 Specifications



Storage Media:
Compact Flash

Content Format Supported

Video:
MPEG - 1 / 2 / 4

Still Image:
JPEG

Audio:
44.1kHz Stereo, 224kbit/s

Codec:
MPEG-1/2 (.mpg) JPEG (.jpg)
MPEG-4 DivX (.avi)

Playback Functions:
Play / Stop / Pause / Repeat / Previous Track
Next Track / Volume / Mute / Loop Playback
/ Sequence Play / Startup Mode / Sleep
Mode

External I/O Ports:
RS-232 / USB / Infra-Red / Remote Ext

Touch Screen Functions:
Support Analog touch glass and
ITO (segment type) touch glass

Real Time Clock:
Battery Backup RTC

AUX Power Out:
5vDC & 12vDC

Power Consumption:
560mA@12v (no panel connection)

Operating Temperature:
0°C - 50°C

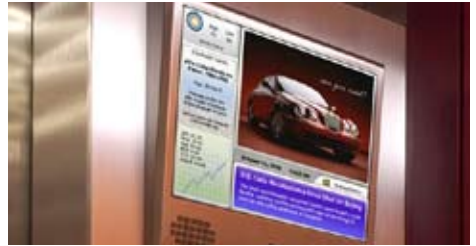
Dimension:
(W)147x(D)x92x(H)18mm

Weight:
135g



VideoFlyer Custom Designs

Digital View also undertakes the design of custom VideoFlyers. If you want your digital sign designed for a specific environment or to compliment specific branding - then Digital View offers a complete, cost-effective design and manufacturing service.



DESIGN - REALIZE - DELIVER

Alongside our renowned engineering expertise - Digital View is also an established manufacturer, producing a wide range of display related products.

At component level, Digital View manufactures over 100,000 boards annually – managing the process from design, supply, manufacture and quality assurance, to packing, shipping, warranty and support.

With our existing manufacturing relationships, our local presence, our LCD expertise and our specialist high quality, short run production experience, Digital View is ideally positioned to offer additional cost effective system-level production out-sourcing to our LCD controller and media system customers.

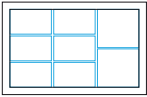
- Established Production Team
- High Quality Display Expertise
- Small Production Run Experience
- Low Cost Asian Manufacturing Base



VideoFlyer Touch Screen Options

All the video flyers are supplied with the option of interactive touch screens. Touch screens can also be supplied as components for use with Digital View ViewStream and OEM media boards.

The touch screen allows users to access different media tracks by pressing the screen and selecting the appropriate option.



ITO TOUCH

The standard Digital View solution uses a segmented ITO touch screen. This offers 8 different options at each level - in a fixed template. The content needs to be created to align behind the different sections of the template. Fixed segment 'push button' touch screens have the benefit of offering instantaneous file playback - there is no processing delay as the appropriate track is sourced.

For retail and museum applications - instant content playback is critical to retaining customer interest. The media is programmed using DV-Studio - supporting upto 3000 different media tracks.



ANALOG TOUCH

Digital View also supplies an analog touch controller that enables the use of commercially available resistive touch screens.

Whilst this combination is more expensive than the standard ITO touch solution there are a number of specific advantages;

- The active touch area is not divided, it appears as one continuous physical area across the entire screen
- The controller can divide the screen into 8, 12 & 24 virtual segments - offering a large range of interactive options
- Commercial touch screens offer a range of display sizes and finishes (ie anti-reflective or anti-glare) and with enhanced levels of durability

The DV Analog Touch Screen Controller is a small PCB utilizing a micro-controller to convert screen touches into commands formatted for the MS controller. The controller is provided with both serial and parallel interfaces to provide a choice of interfacing. Digital View supports pre-configured cables for a range of Microtouch touch screens.



Building Your App

Working with Content

The Digital View media systems require no special software to playback media files. Simply copy encoded content tracks into a file called 'MEDIA' onto the compact flash card. The content will play in alphabetical order - looping around to the beginning at the end of the final track.

For more complex content management functions - Digital View supplies the FREE software utility

DV-STUDIO:

- **Playlist Creation:** organising media to playback in a specific order
- **Scheduling:** organising playlists to start playing at particular times of day, days of the week, or on specified dates.
- **Applying Triggers:** connecting specific interactive triggers to call-up individual media tracks
- **Interactive Programs:** developing interactive trees, enabling users to follow a selection path through content
- **RS-232 Activation:** associating different RS-232 codes to specific media tracks
- **Managing Stills:** programming still images to remain on the screen for specific lengths of time

PRODUCT TIP: The ViewStreams™ can be programmed via the on-screen menu to deliver a range of 14 templated transitions between JPEGs - to give a professional and smooth visual effect when showing still images.

SOFTWARE - USB UPDATE

The ViewStream™ 300/500 players & VideoFlyers™ can be updated via USB. To enable USB update - download the free DV-USB Host Utility from the Digital View website.

SOFTWARE - DV-REMOTE

The ViewStream™ 300/500 players & VideoFlyers™ can be controlled by sending commands to individual media players over Ethernet or through RS-232 cables.

Digital View Sales Tips :

Record Field Operational Data : While performing a content update via USB memory stick, the player will also transfer a file detailing all media playout statistics. This information provides a complete compliance report of all videos played and all interactive selections made.



Stand-Alone - Keep it Simple!

A large proportion of digital signage applications have pre-loaded content that doesn't change very often. In these situations, the client may find it advantageous to update the content manually rather than implement and maintain a costly digital signage network.

Manual update is suitable for sites where:

- Content does not need to be updated frequently
- Costs / feasibility of implementing a network out-weigh benefits
- Company reps regularly attend remote sites - 'Sneaker Net'

Manual update offers significant client benefits:

- Non-networked hardware is less expensive
- Less IT infrastructure required = cheaper & more reliable
- Simple installation – no telecoms or network expertise required
- No on-going software costs

Manual Update Methods:

USB Update : the ViewStream™ 300/500 & VideoFlyers™ can be updated by inserting a pre-loaded USB memory stick into the player. The ViewStream™ will automatically read and update any new content and re-start.

Flash Card : the media players run on solid state compact flash memory. This memory is accessible from the side of the product and can be removed and manually exchanged.

Note: The USB and Flash Memory Card ports are secured to prevent tampering

Application Example:



Frozen Yogurt chain **Red Mango** uses multiple Viewstream 300 players for its digital menu board. With a range of different pricing schedules depending upon store location, Digital View programs and pre-loads the content at factory, prior to shipping to their installers. As franchises, managing network connectivity adds unnecessary complexity.

Digital View Sales Tips :

Schedule Future Content Changes : the ViewStream™ media players have internal real-time clocks. This means that content can be pre-loaded for payout at different times. If clients want to run a different campaign next month – then as long as the content is available today, it can be pre-configured to automatically update.



Adding Value - Device Control



8 Pin - Button Interface :

Allows for the direct input of items that offer a simple ‘contact’ mechanism for triggering upto 8 content selections at any one-time. Triggers can be programmed using Digital View’s software tool ‘DV-Studio’ - which enables the creation of a multi-level interactive structure.

BUTTON BOARDS - ‘contact’ buttons for managing playback functions (start/stop/next-track etc..) or selecting specific media tracks on screen.

TOUCH SCREEN - an 8 segment ITO touch screen to overlay the display - in sizes ranging from 7” to 15” - allows for instant playback of selected media track.

MOTION SENSOR - the PIR motion detector can be set to pick up movement within a pre-defined area and trigger the playback of audio or welcome screens when activated.

LIGHT SENSORS - play different tracks when ambient light conditions change.



RS-232 Interface :

Enables complete control of all ViewStream media functions - including both incoming media triggers and outgoing short codes to control other devices. The RS-232 interface can be programmed for direct access to as many selections as required.

AMX / CRESTRON - the ViewStream players are fully compatible for control by AMX and Crestron type devices.

Bar Code Scanners - different bar codes can be programmed into the ViewStream to recall different media tracks

IP-50 - the IP-50 can be used to control all media and playback functions via Ethernet over a local area network.

Synchronization - simply connecting multiple ViewStream players together via RS-232 will causes them to synchronize their content together.



Ethernet Port :

Used for NETWORKING applications on the VS-500. The VS-500 ethernet port allows for device control options over a network. For content updates over a network or the internet, Digital View supply the Remote Player range (see Digital Signage & Networking Section).

Network Control: the ethernet port allows for network control of playback functions from a PC on a local area network

Synchronization: the VS-500 requires an external ‘synchronizer’ to enable the syncing of high definition content across multiple devices



Infra-Red Remote Control Interface:

Remote control of all playback functions - inc: Start / Stop / Pause / Next Track / Previous Track / Vol + / Vol - / Mute / Repeat / Loop Playback / Sequence Play / Startup Mode / Sleep Mode

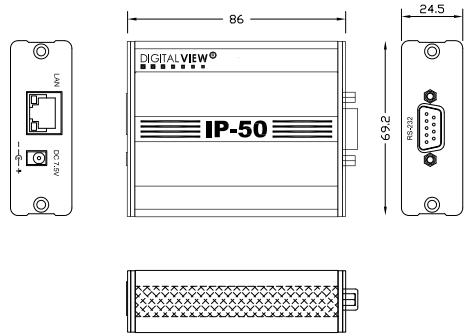


The IP-50 - RS-232 Control Over Networks

Introduction:

The IP-50 provides easy and direct connection to products using networks and the Internet. The IP-50 come with a standard Ethernet connection, RS-232 interface and on-board fully programmable and customizable web server. It can be used to control and monitor any RS-232 device remotely.

Users can design and setup their own user interface and functionality or access the expanding portfolio of standard product packages from www.digitalview.com/ip-50 website.



Network Interface:

Ethernet 10BaseT
RJ-45 connector x 1
Supported protocols: IP, TCP, DHCP

RS-232 Interface:

DB9-Female connector x 1
Serial baud rate: 2400
Data bits: 8
Parity : none
Stop bits: 1
RS-232: Tx/D, Rx/D

Power:

Power input : 7.5V DC
Power consumption : 200mA @7.5V

Environmental:

Operating temperature: 0°C to 50°C
Relative humidity: 5%-95% relative humidity
(Non-condensing)

Dimension (mm):

(WxDxH) : 86 x 69 x 24.5

Weight:

130g (net)

Applications include:

- Digital Signage installations
- Industrial systems monitoring and control
- Environmental monitoring
- Control and monitoring of DV products



Using Device Control - Easy Screen Sync

<http://www.youtube.com/digitalviewgroup>



Taking 3 VideoFlyers and synchronizing them together just using RS-232...



...the VideoFlyer uses the same board that's in our ViewStream 300.



A simple looped RS-232 cable...



...plugs into the 3 VideoFlyers



...and the different content synchronizes automatically!



Creating a unique and memorable video experience.

Ingredients.

- 3x Digital View 8" VideoFlyers (add more VideoFlyers as required)
- 3x 1Gb Compact Flash Card
- 3x 12vDC Power Supply
- 1x Looped RS-232 Cable
- 3 Pieces of Content (ideally matching)

Just add power!

Enabled by **ViewStream Players**

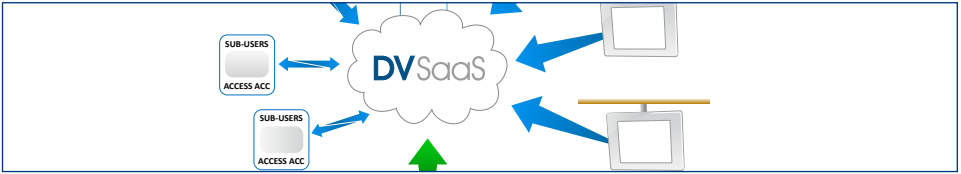


watch the full video at:

youtube.com/digitalviewgroup



Digital Signage - Overview



The **RemotePlayer™** & **RemoteFlyer™** products are Digital View’s range of networked media players and integrated LCD media displays for the digital signage market.

The hardware is designed specifically for digital signage applications – where installations are required to deliver the highest quality content day-in day-out, in remote locations without local maintenance or support.

Alongside our connectable solid state media players – Digital View also supplies windows/linux PC systems, optimized for digital signage media use. These PC based products are tested compatible and pre-approved for operation with industry leading content management platforms such as Scala, EnQii, BroadSign & signaglive.

To support our Digital Signage products - Digital View offers a range of networking software, accessories and bolt-on devices that offer a flexible end-to-end solution for all digital signage applications.

Quick Guide

	RemotePlayer 450	RemotePlayer 500	RemoteFlyers
Solid State	no	yes	yes
O/S	Linux / Windows	Linux	Linux
MPEG-1/2	1920x1080	1920x1080	1920x1080
MPEG-4	1920x1080	1920x1080	1920x1080
MOV	1920x1080	1920x1080	1920x1080
WMV	1920x1080	1920x1080	1920x1080
JPEG	1920x1080	1920x1080	1920x1080

- High Reliability, 24/7 Playback
- Free Network Scheduling Software
- Linux & PC Devices
- Flexible CMS Systems



RemotePlayer™ 500



Introduction:

The RemotePlayer-500 500 (RP-500) provides brilliant quality video and flexible networked signage support together with a host of features including interactivity and system & environment monitoring options.

Key Features:

- MPEG 1, 2 (PS-TS), 4 (DivX, XviD, AVC/ H.264), Quicktime, Windows Media (VC1), JPEG, Bitmap, GIF
- Supports 1080p /60
- Video tracks play according to a playlist created in DV-Studio or Alphanumeric order
- The Host USB port enables content on the CF card to be updated automatically from a USB flash drive & retrieval of the stored Data Log files
- RS-232 Serial Port Supports a wide range of input / output devices

Ordering Options:

- P/N 587180300-3 **RP-500 Bulk Pack** (Includes: PSU and Mains Lead)
 P/N 587180000-3 **RP-500 Promo Pack** (Includes: PSU, Mains Lead and Connecting Cables)
 P/N 417180020-3 **RMDN-5**

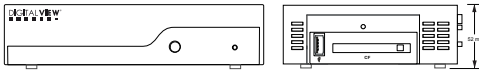
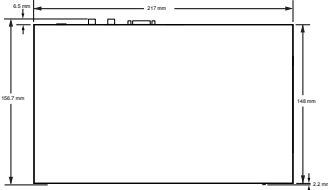
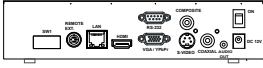
Rack Version: **RP500/R**

The VS-300 is also available in a 19" rack mount unit....





RemotePlayer™ 500 Specifications



Storage Media:
Compact Flash card

Video Output:
HDMI 1.2 / DVI* (720p / 1080p)
VGA / YPbPr* (720p / 1080p)
Composite / S-Video (480i / 576i)

Audio Output:
Stereo phone jack
Digital Coaxial
HDMI (Stereo)

Playback Functions:
Play / Stop / Pause / Repeat Previous track / Next track / Volume / Mute / Loop playback / Sequence play / Startup mode / Sleep mode

Touch Screen Functions:
Support Analog touch glass and IT (segment type) touch glass

External I/O ports:
RS-232 (9600, N-8-1)
USB (Data upload)
Infra-red (With DV IR handset)
Remote Ext. (For button & touch)

Network:
RJ-45 LAN connector (N/A)

LEDs:
Power LED / Network LED

Scheduled Playback:
Play Once / Daily
Weekly / Monthly

Real Time Clock:
Battery-backup RTC

Power Requirement:
DC 12V input

Power Consumption:
500mA @12V

Operating Temp:
0° C to 50° C

Relative Humidity:
5% - 95% relative humidity
(Non-condensing condition)

Integrator Option: RMDN-5

The DN-5 is the board only option version of the ViewStream-500. All the same features without the case, allowing for easy integration into any custom installation





RemotePlayer™ 450



Introduction:

The Remote Player 450 (RP-450) is a digital video and audio player designed for HD video playback and still pictures on HDTV and video monitors in digital signage application.

Key Features:

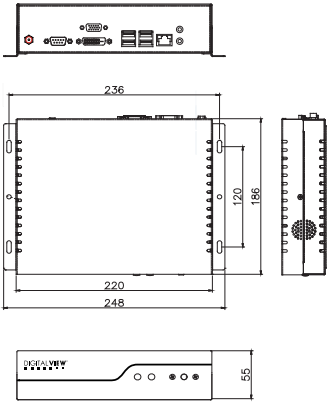
- Video can be displayed on TV, LCD and Plasma monitors supporting VGA with 1280 x 720p.
- SATA hard drive with 120G storage size
- A range of interactive options are available including barcode scan, RS-232 protocol control, buttons as well as innovative switching options.
- Utilising the Digital View Content Management system, content can be changed and managed remotely.
- Software agnostic

Compatible With:





RemotePlayer™ 450 Specifications



Playable format :
.mpg/.mov/.mp4/.jpg/.avi

Storage media :
SATA HDD

Audio output :
Stereo out / SPDIF out

Playback Functions:
Play / Stop / Pause / Repeat / Previous track / Next track / Volume / Mute / Loop playback / Sequence play / Startup mode / Sleep mode

Touch screen functions:
Support Analog touch glass

Video ports:
VGA / DVI / HDMI

External I/O ports:
RS-232 (9600, N-8-1)
USB (Content upload)

LEDs :
Power LED
Network LED

Watchdog:
Support system reset

Real time clock :
Battery-backup RTC

Power requirement :
DC 19V input

Power consumption :
27W

Operating Temperature :
0 C to 50 C

Relative humidity :
5% - 95% relative humidity
(Non-condensing condition)

Dimension : (WxDxH)
180 mm x 235 mm x 60mm

Weight (net) :
1.2kg



RemoteFlyers™

Introduction:

The RemoteFlyers™ are the network updateable versions of Digital View's self contained digital video monitor products. The units comprise of a TFT LCD panel with built-in speakers. Video is stored and played back from a plug-in and play Compact Flash memory card.



Features:

Enclosure :

Robust lightweight aluminium enclosure available in silver or black.

Storage Medium :

CompactFlash memory card:
512MB/ 1GB / 2GB / 4GB / 8GB

Remote Control and Communications:

Utilising the Digital View Remote Transfer system content can be changed and managed remotely.

- **Wireless LAN** - PCMCIA socket for wireless LAN connection
- **GPRS** - RS-232 port for GPRS modem communication
- **Local Area Network (LAN)** - Ethernet jack for 10/100Base-T connection.

Audio Output :

Built-in stereo speakers (Left/Right)

Barcode Scanner :

An optional barcode scanner is integrated. A typical use for this is to enable users to scan barcodes and have a related track play.

Loop mode :

Videos can be set to play in a continuous loop either individually or in sequence.

Auto mode :

Videos can be set to sleep mode or auto playback at power up.

Program mode:

All tracks and scheduled functions can be programmed by DV Studio software which writes the MPEG video files on to the CompactFlash card.

Standard Playback :

Standard player modes - play, stop, pause, repeat, previous track, next track, volume control, mute. Specific track or playlist select.



Accessories

DV-RMS

With 75% of compliance issues within digital signage networks relating back to power issues or system hangs – being able to control and re-boot systems remotely by simply dialing the Digital View Remote Mains Switch offers a fast and cost-effective way of getting your systems back online.



DV-RMS is a GSM enabled mains 120-240VAC Power Relay and Switch, using standard GSM cell-phone SIM Card.

DV-RMS can be dialled into at any time and either rebooted, switched-on or switched-off.

DV-RMS has its own internal battery, and can be programmed to send a text message directly to a specified phone number, should mains power ever be removed or fail.

DV-RMS connects only to a single specified phone number and is designed to reboot without answering the telephone call - thereby avoiding any call charges.

DV-RMS back-end system can be integrated with digital signage on-line content management fault monitoring systems to offer a totally automated service for reboot.

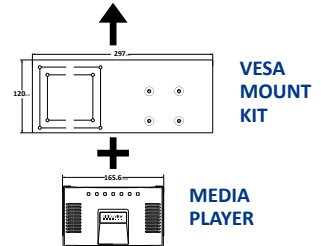
EASY INSTALL VESA MOUNTING KIT

For a simple install option - Digital View has created a VESA mounting kit supplied with specially shortened connecting cables.

Ideal for quickly turning any existing monitor into a digital signage display.

The VESA mounting plate fits neatly between the display and the mounting bracket or desktop stand.

The plate then provides the mounting holes to securely fasten a Digital View media player.





Digital Signage Software

Connecting or Networking digital signage media players allows clients to update content remotely at the push of a button. Connected networks enable content to be time relevant. They also allow clients to collect real-time reports on network compliance – providing alarms when screens are switched off or not working.

As well as working with other mainstream digital signage software providers (such as Scala, EnQii & Signagelive), Digital View offers 3 main in-house alternatives for networking media players;

INTRANET : DV-Connect ('PUSH')

DV-Connect is a free software utility that allows clients to set up a media player on their internal network infrastructure. Each player is assigned an IP address and users simply drag and drop ('push') content files into the relevant player's media folder.

DV-Connect allows users to group multiple players together, to enable single update of multiple players. It also allows for the scheduling of content updates, so they can be sent at specific times.

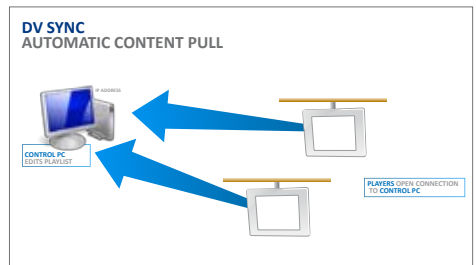
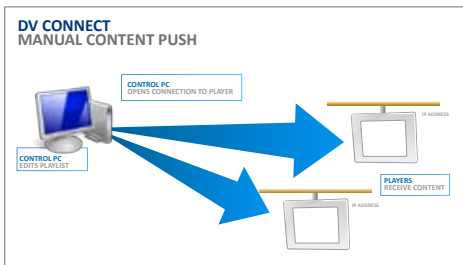
DV-Connect is mainly suitable for clients working within a local area network (LAN) or intranet - thereby avoiding network external firewalls and potential 3rd party screen hacks.

INTERNET : DV-Sync ('PULL')

DV-Sync is a free software utility, that is equally suited to internet applications, where players are located in remote locations beyond a local area network.

Using DV-Sync players are programmed to connect outwards, routing to a specific identified folder on a central PC or Server. If the player finds that new content has been assigned to its folder, it then downloads the media ('pull').

The media player can be set to contact the central PC as often as required – automatically downloading content, and sending back compliance data from the field.



Digital View Sales Tips :

'PULL' architecture offers peace of mind : whether operating within a intranet or internet application – the use of 'pull' architecture offers security benefits. As the players cannot be connect to – it is impossible for 3rd parties to access the players and to sabotage the content.

Content Schedules On DV Studio : for DV-Connect & DV-Sync all content schedules and playlists are authored and created in DV-Studio. DV-Studio is a free software utility for playlist creation that can be downloaded from the Digital View website.

Develop Your Own CMS: DV-Sync is offered with a full developers kit (and API) that allows users to customize their own applications around the basic file and folder structure.

SaaS Content Management

For more complex on-line content management requirements – Digital View works in partnership with Delivering Digital Ltd. Delivering Digital is a specialist developer of digital signage content management systems ('CMS').

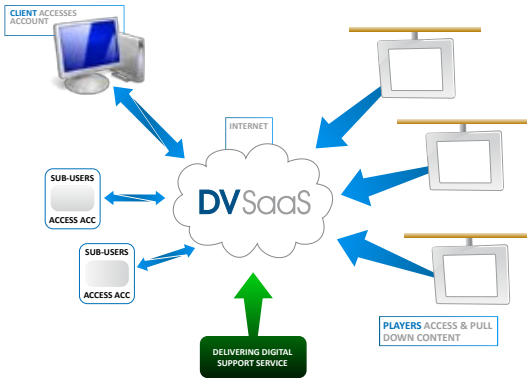
DV-SaaS is a fully hosted solution – where Delivering Digital manage all the server infrastructure, bandwidth availability, software customization and support – and for an annual fee offer clients a web-based application for accessing their connected media players.

The system offers a cost effective mechanism for multiple levels of scheduling control, content groups, field data reporting, content library management, template content creation, local playlist creation and a whole host of bolt-on customizable applications for clients.

The DV-SaaS system can be branded to any customer – and integrated with a range of 3rd party applications. It is the ideal management solution for large scale digital signage networks.

Delivering Digital current supplies networks for Pharmacy Channel, Travel TV & Life Channel and works on developing software for companies like EnQii, Scala & Dynamax.

DV-SaaS Hosted CMS



Digital View Sales Tips :

Customize & Brand Your Own : most of the CMS solutions available in the market are generic packages developed for the mass-market. There is limited flexibility to integrate the software into your own processes, and it carry the fixed branding of your supplier. With DV-SaaS, the software is fully customizable and it can be 100% branded with you or your end customer's logo.

Access for multiple users : the great benefit of on-line systems is that users can access the CMS from any PC – even making updates from their mobile phones. Further, the system can be configured to give individuals access to change certain elements within a playlist on just those screen allocated to them.



Video Processors & Scalers

Overview



The AVX-1920 family are advanced network controlled video scaler devices that offer full picture-in-picture support and high bandwidth, high definition video processing and conversion.

Designed for the pro-A/V market – these products offer advanced application options on image control and media playback for applications across a range of market sectors.

The AVX-1920 products allow users to combine multiple inputs from a range of HDMI, DVI-D, ARGB, Component Video & Composite sources - and convert them for optimum picture quality and resolution on any given display, projector or video wall.



The integrated **Digital View Pro-Control™ Suite** of image processing features then overlays 10 years worth of high end engineering know-how into a host of superior image manipulation and processing capabilities.

- **Picture-In-Picture support** - display multiple inputs simultaneously, in a window, side-by-side, or overlaid.
- **Image Zoom** – zoom into an image, or pre-set image portions to multiple displays.
- **Image Freeze** - stop and pause the image, for security or continuity inspection.
- **On-Screen Markers** – overscan, AFD & other broadcast, military or medical overlays
- **Color Calibration** – non-linear adjustment of luminance across the range for high end professional video & defense applications.
- **Text-Overlay** – drive on-screen messages on their display through the AVX OSD menu.

The functionality can all be controlled remotely – through Infra-Red, RS-232 or via an on-board IP network interface – with both direct browser and DCHP PC utility support.

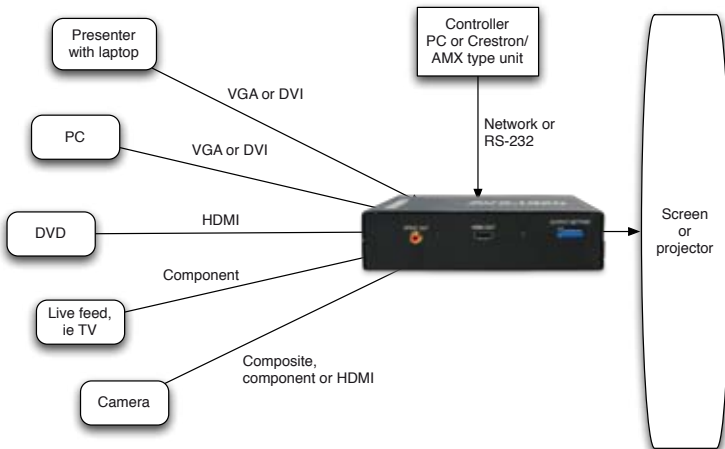


Quick Guide

	AVX-1920 (HDMI)	AVX-1920 (DVI-D)	AVX-1920 RACK
			
Multiple Video Inputs	✓	✓	✓
Pro-Control™ Image Processing	✓	✓	✓
HDMI Out	✓	-	✓
DVI-D Out	-	✓	✓
Multiple Audio Channels	-	-	✓
Network Control	✓	✓	✓

Find Video Processors & Scalers in:

- Board Rooms
- Lecture Theaters
- Presentation Suites
- Show Rooms
- Houses of Worship
- Entertainment Systems



Assumed that there will only be one screen or projector.



AVX-1920 Features



Introduction:

The AVX-1920 allows users to combine multiple inputs from a range of HDMI, DVI-D, ARGB, Component Video, Composite S-Video sources - and convert them for optimum picture quality and resolution on any given display, projector or video wall.

Processing 10-BIT (1 billion colors) upto 1080P – the core AVX-1920 offers professional grade color management with advanced 3D noise reduction, 3:2 pull-down and a range of de-interlacing modes and phase clock adjustments for enhanced fine-tuning.

Key Features:

- **Picture-In-Picture support** - allowing users to display multiple inputs simultaneously, in a window, side-by-side, or overlaid.
- **Image Zoom** - allows users to zoom into an image, or to pre-set image portions to multiple displays.
- **Image Freeze** - allows users to stop and pause the image, for security or continuity inspection.
- **On-Screen Markers** - allows for overscan, AFD and other broadcast, military or medical on-screen overlays
- **Color Calibration** - allows for non-linear adjustment of luminance across the range for high end professional video & defense applications.
- **Text-Overlay** - allows users to drive on-screen messages on their display through the AVX OSD menu.

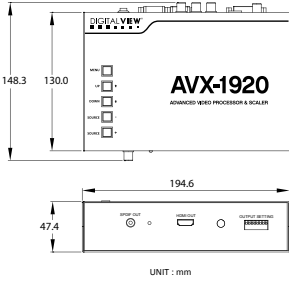
Rack Version: AVX-1920/R

Rackmount version – with additional secondary HDMI / DVI input plus 8 channel audio support





AVX-1920 Specifications



Video Inputs:

- HDMI Video / DVI-D
- ARGB Video
- Component Video
- S-Video
- Composite Video

Video Output:

- HDMI
- SVGA @60Hz
- SXGA @ 60Hz
- WXGA @60Hz
- WVGA@60Hz
- 480p / 720p / 1080p
- VGA @60Hz
- XGA @60Hz
- UXGA @60Hz
- WSXGA+ @60Hz
- WUXGA @ 60Hz

Audio Output:

- HDMI Stream
- Digital Stream
- 1x RCA (coaxial)
- Digital Audio (S/PDIF)

Device Control:

- 5-button on the top
- IR on the front
- DB9 connector on the back
- RJ45 connector on the back

Mechanical

- H:50mm x W:195mm x D:130mm
- Weight: 1kg

Scaling Engine:

- Phased lock loop employed
- De-Interlace
- Noise reduction
- Pull-down
- HDCP Compliance v1.1
- 10-bit ADC
- Faroudja Truelife Video Enhancer
- 3D
- 3:2

De-Interlacing Modes:

- Auto Film Mode
- Temporal Noise Reduction
- Motion Adaptive De-Interlacing
- Low Angle De-Interlacing

OSD Functions:

- Contrast / Brightness / Hue / Saturation
- Sharpness / Scale / Image Position / Color Tone
- Blue Only / Monochrome Mode / PIP / Zoom
- Freeze / Auto Picture Setup / Auto Color Gain
- WideScreen Mode Detection / Image Fine Tune
- Gamma Adjustment / Auto Source Seek

Environmental:

- Operating temperature
- Operating humidity
- Storage temperature
- Storage humidity
- 0° to 60°
- 10% to 95%
- 20° to 85°
- 10% to 95%



VXP-5 Hybrid Media Player / Video Scaler

Digital View has developed a simple way to turn the TV in your lobby, bar or customer service centre into personalized Digital Signage



Get your brand and important sales messages on TV. Plug your live TV feed directly into the **Digital View VXP-5** watch it overlay custom side banners and sub-title text messages directly around the live TV programming.

Perfect for hospitality, hotels, customer waiting areas, queue management systems, schools, offices, clinics, retail and any public environments where live TV is shown.

Application Examples:



Hospitality

The Wellington Golf Club is promoting its latest special offers on its latest line of golfing accessories – whilst also reminding customers that the bar is open until 21:00.

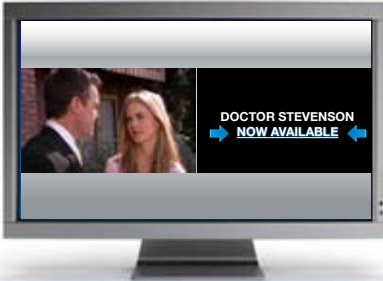


Sports Bar

The King's Sports Bar is drawing in customers showing the Olympic 100m finals live on TV – but at the same time is reminding customers that there's only 15 minutes of happy hour left



VXP-5



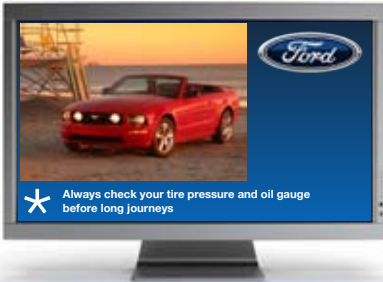
Health Care

Whilst waiting to see the Doctor – patients at the health clinic can watch daytime TV. As the Doctor's come free – they send 'call forward' messages straight to the TV screen.



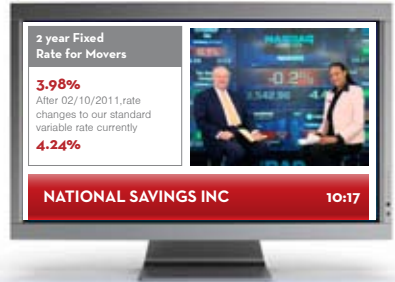
Education

The High School is using TV's in the canteen to distract the kids – but whilst it has their attention, it is also providing information and educational messaging through the system.



Customer Services

Whilst waiting to pick up their car – customers at the Ford Service Center and reminded to check their tire pressure and oil gauge before traveling.



Corporate

The lobby screen at National Savings Inc is playing the 24 hour financial news channel – but at the same time the company's latest mortgage and savings accounts are advertised.

The **VXP-5** is a remotely managed solid state digital media player with a live TV input. The **VXP-5** stores Customer designed media and messages internally using on-board compact flash memory and mixes the two signals in real time. The Customer media plays either side-by-side or as side banners to the standard TV signal.

The content on the **VXP-5** can be updated either via a standard PC network or remotely via the internet. The **VXP-5** can be controlled to switch-off the overlay, and show either full screen TV or crystal clear high definition video and text-based messages from the internal memory.

LIVE TV , DIGITAL SIGN or BOTH ...

Digital View In Action



Enabled by **VideoFlyers**



- Museum Video Store
- Digital Docents
- Interactive Exhibits
- Rich Media Experiences
- Digital Signage
- Audio Effects



Digital View In Action



Byron use the VS-300 to cover all the many features and ring variations of its different bell products. These are installed across Europe's DIY stores

Enabled by VideoFlyers



- Museum Video Store
- Digital Docents
- Interactive Exhibits
- Rich Media Experiences
- Digital Signage
- Audio Effects



Digital View In Action



EXHIBITION



A mixture of buttons, levers and other interactive control educate through engagement at this exhibit at this Mercedes Visitor Attraction.



Enabled by **ViewStream Players**



- Museum Video Store
- Digital Docents
- Interactive Exhibits
- Rich Media Experiences
- Digital Signage
- Audio Effects



Digital View In Action



The Natural History Museum brings its exhibits alive – using the VS-500 to show HD quality images in its permanent dinosaur exhibit

Enabled by ViewStream Players



- Museum Video Store
- Digital Docents
- Interactive Exhibits
- Rich Media Experiences
- Digital Signage
- Audio Effects



About Digital View

Digital View Group was established in 1995 - as a developer of interface technology for the emerging LCD digital display market. Our display electronics division has grown to become one of the foremost developers of advanced LCD control solutions for the military, marine, broadcast, medical and industrial display markets. The company is now represented around the globe by major components distributors and supplies a host of key OEM manufacturing partners. Our range of LCD interface products support over 800 panels from more than 27 different manufacturers

From 1998 Digital View pioneered the development of solid-state digital media players and implemented some of the first major global digital signage networks. Our digital media division is now a global market leader in the supply of specialist electronics for the pro-A/V markets; with more than 100,000 digital media systems installed across the digital signage, digital merchandising & digital docent museum markets.

Underpinned by strong internal development engineering, and with sales and support operations spanning the globe, the Digital View name has become synonymous with high performance innovation that meets the specialist needs of specific non-consumer digital display markets.

