

# UPX & Digital Video Processors overview

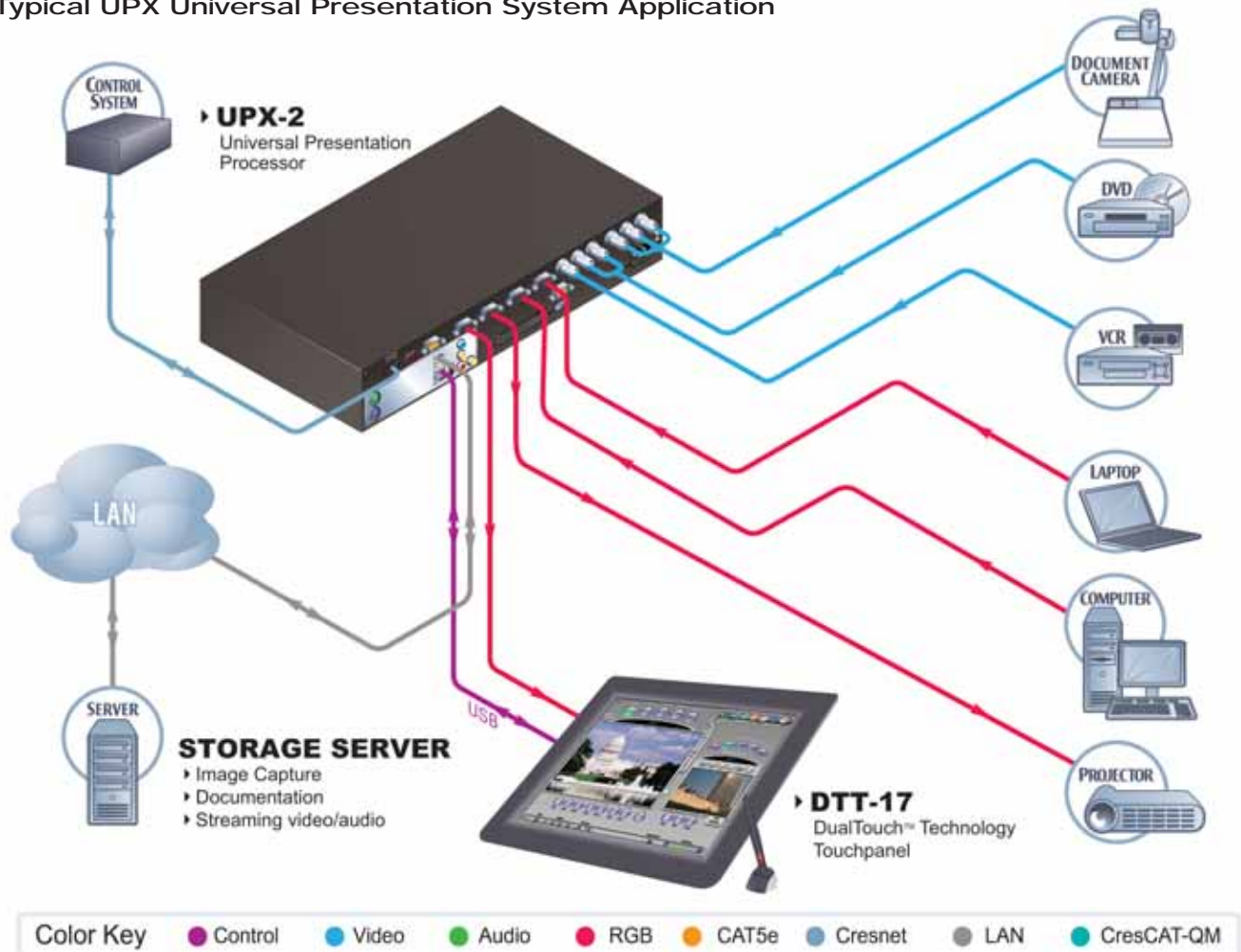
Today's presentation technologies offer much to dazzle an audience, but the point may get lost if the presenter does not have command of that technology. Crestron presentation solutions converge multiple technologies to form a single harmonious system that's intuitive to use and facilitates crystal clear communication.

Crestron's award-winning **UPX Universal Presentation System** is a complete presentation solution integrating touchpanel control with advanced pen-based annotation, multi-window digital video processing, and an embedded multimedia PC. UPX brilliantly assembles a host of popular presentation features to simplify and enhance the presentation of a variety of video, computer, and digital media sources. Crestron **MediaMarker™** professional annotation software lets the presenter annotate over any still image or motion video source, and then save, edit, and share the screen shots and annotation files in a variety of formats. Exclusive **DualTouch™ Technology** combines fingertip operated touchpanel control with a wireless pen-driven drawing tablet for the ultimate presenter's user interface.

The **DVPHD-PRO Digital Video Processor** delivers high-definition multi-window processing for everything from command centers and large lecture halls to advanced home theaters and houses of worship. Connect the DVPHD-PRO to a digital projector, LCD, or plasma display to present a slew of video and computer sources in up to eight fully-scalable windows combined with stunning custom graphics and dynamic text. Add a touchscreen and harness the DVPHD's touchpanel interface capabilities for impacting interactive presentation and kiosk applications.

**Isys® G-Series Touchpanel Interfaces** enable third-party touchscreen monitors and overlays to be interfaced to the Crestron control system, transforming the display device into a full-featured Crestron Isys touchpanel. These touchpanel interfaces are perfect for custom touchscreen control and interactive kiosk applications, and can also serve as high-resolution graphics generators complete with dynamic text and multi-windowed video for council chamber voting systems, museum and tradeshow exhibits, and other digital signage purposes.

## Typical UPX Universal Presentation System Application



# UPX & Digital Video Processors cross reference

	UPX	DVP	Touchpanel Interfaces	
	UPX-2 Universal Presentation System	DVPHD-PRO Digital Video Processor	TPS-G-TPI Touchpanel Interface	TPS-GA-TPI Touchpanel Interface
<b>Touchscreen Support</b>				
Maximum Resolution	1600 x 1200	1920 x 1200	1280 x 768	1280 x 1024
Aspect Ratio	4:3, 15:9, or 16:9	Unlimited	4:3 or 15:9	4:3, 15:9, or 16:9
Display Output	(2) RGB	DVI, HDMI, RGB, QM	RGB, QM	RGB, QM
Touchscreen Interface	USB, RS-232	USB, RS-232	RS-232	USB, RS-232
DualTouch Technology	•			
<b>Touchpanel Graphics</b>				
Color Depth	24-bit 16.7M	24-bit 16.7M	24-bit 16.7M	24-bit 16.7M
8-bit Alpha Channel Transparency	•	•	•	•
Synapse Image Rendering	•	•	•	•
Multimode Objects	•	•	•	•
Dynamic Text and Animation	•	•	•	•
Dynamic Graphics & PNG Translucency	•	•	•	•
<b>Memory</b>				
RAM	512MB	256MB	128MB	128MB
Flash	1GB	64MB	64MB	64MB
Memory Card Slot	2 PC Card Slots	Up to 4GB via CF (1GB provided)	Up to 4GB via CF	Up to 4GB via CF
Maximum Project Size	190MB	200MB	145 to 160 MB	145 to 160 MB
<b>Annotation &amp; PC</b>				
Windows XP Embedded OS	•			
Web Browser, Media Player, Remote Desktop, VoIP, NetMeeting, Yahoo! Widgets, MS Office & Adobe Acrobat Reader <sup>1</sup>	•			
Annotation	MediaMarker w/Screen Capture, Save & Edit	Live Only	Live Only	Live Only
Keyboard/Mouse Input	USB, PS/2, RS-232	USB, RS-232 (mouse only)	Serial (Mouse Only)	USB, Serial (Mouse Only)
Touch-the-PC	•	•	•	•
<b>Video/RGB/DVI</b>				
Scalable Windows	3	8	2	2
Hardware Connections	BNC, RGB	BNC, DVI-I, QM	QM	BNC, RGB, QM
Composite	•	•	•	•
S-Video	•	•	•	•
Component	•	•	•	•
HDTV	up to 1080i	up to 1080p	up to 1080i	up to 1080i
High-Resolution Computer	up to 1600 x 1200	up to 1920 x 1200	up to 1600 x 1200	up to 1600 x 1200
Streaming Media	•			
<b>Audio</b>				
External Source Input	•		•	
WAV Sound File Audio Feedback	•		•	•
<b>Network</b>				
Cresnet	•	•	•	•
Ethernet	•	•	•	•
<b>Mounting</b>				
Rack Mount	2U	3U	1U	1U

<sup>1</sup> See product spec for a complete list of embedded applications

This chart intended for summary comparison only; see each product specification for complete information.