

# HView™ IP

## IP-Based Video Network Display and Monitoring Solution



The Harris HView™ IP multiviewer is a 1RU IP-based video network display and monitoring solution designed to meet the needs of multichannel broadcasters and headends. This compact multiviewer provides all the monitoring capabilities of an industry-leading baseband multiviewer, but functions in a networked environment where the feeds being monitored are primarily compressed video or audio.

With its ability to support multiple compression formats and resolutions, the IP-based multiviewer is ideal for operators that use different codecs for different jobs — from MPEG-4 (H.264) to MPEG-2 for sources with a range of resolutions. Unique features include support for virtual network connection (VNC) control, which allows the user to view and control PC-based devices; RSS display, which enables interaction with a broad range of network data providers; and multiformat IP stream decoding with built-in, visual alarming.

### PRODUCT DETAILS

#### System

- Compact 1RU rackmount unit
- Redundant power supplies
- Gigabit Ethernet connection for compressed signals
- Ethernet connection for control and management
- Supports two DVI displays in either independent or spanned operation

#### Control

There are a number of methods available to control and configure the HView IP multiviewer.

Layout Designer (PC-based setup software) is used to create the layouts by arranging the PIPs on a screen, assigning alarm rules, selecting the resolution and developing the appearance of the screen according to the user's wishes. It also can be used to control the onscreen mouse remotely.

### FEATURES

- Compact 1RU rackmount unit
- Inputs from IP directly
- Up to 32 SD or 12 HD IP decodes
- Supports MPEG-2, MPEG-4, H.264 with associated audio
- Supports AC3, E-AC3, AAC, MPEG-1 audio formats
- Accepts video over RTP, RTSP or UDP
- Accepts multi program transport streams (MPTS) or single program transport streams (SPTS)
- Output of two discrete displays
- Alarming on audio, video and metadata
- Scrolling PIPs
- Overlapping PIPs
- Onscreen mouse control
- CC presence and text
- V-Chip identifiers
- Teletext capabilities
- Clocks and timers
- Aspect ratio markers
- Audio meters
- Rules Designer — for automated action responses VNC client-capable
- RSS support
- Built-in background
- External Input option for ASI and Satellite via IPA6800+ and SRD6800+

Other methods of control include the Harris NUCLEUS™ control panel, a built-in web application, or a built-in onscreen control.

The HView IP multiviewer is CCS-compliant, and can be seamlessly tied together with the Harris network monitoring and control software, CCS Navigator™. This allows for complete interoperability with all Harris products, including control for changing sources or layouts and the ability to view all alarms in the system. Additionally, both the HView IP multiviewer and Navigator have rules engines and can collaborate over CCS, enabling powerful system-level behaviors.

The HView IP multiviewer is also able to control PC-based devices. Using built-in VNC capabilities, the system allows the user to view and control other devices. This feature is activated by simply placing the onscreen mouse on top of the VNC window and clicking. The VNC window can be viewed at full screen or at PiP size with the multiviewer's onscreen mouse now operating as the device mouse over the PiP.

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### SPECIFICATIONS

Specifications are subject to change without notice.

Output . . . . . 2 digital displays (DVI or display port)  
 Input . . . . . Stream inputs via Gigabit Ethernet  
                                   Control inputs via Ethernet  
 Video Compression Formats . . . . . MPEG-2, MPEG-4/H.264  
 Audio Compression Formats . . . . . MPEG-1 Layer 2  
                                   AC3  
                                   AAC

#### Alarms

Video . . . . . Loss of video  
                                   Video freeze  
                                   Video black  
 Audio . . . . . Audio channel missing  
                                   Audio channel peak  
                                   Audio channel low  
                                   Audio channel silence  
 Metadata . . . . . CC608, CC 708, XDS, AFD, V-Chip, Teletext, VITC,  
                                   WSS ,AFD

Actions from Alarms . . . . . Change layout  
                                   Change PIP source  
                                   Counter reset  
                                   Counter start  
                                   Counter stop  
                                   Fire global event  
                                   Fire GPO  
                                   Fire layout event  
                                   Log message  
                                   Make PIP full screen  
                                   Send email  
                                   Send SMS text message  
                                   Set info panel alarm state  
                                   Set label text  
                                   Set PIP alarm state  
                                   Set tally alarm state  
                                   Set window alarm state  
                                   Show message box

### ORDERING INFORMATION

#### System

HV-IP-MV . . . . . Multiformat, 1RU broadband multiviewer with 2  
                                   display outputs  
 Layout Designer . . . . . Configuration software included at no charge

#### Options

All Included . . . . . All options are included in the IP system —  
                                   including audio and metadata (CC 608/708,  
                                   V-Chip)

MULTIVIEWERS // HVIEW™ IP — MULTIFORMAT, BROADBAND MULTIVIEWERS