



envivio®

4View™ – Broadcast Series

Professional MPEG-4 / H.264 Decoder for Media Transport Solutions



4View Broadcast Series

- **Professional MPEG-4 decoder**
- **Broadcast-quality analog or digital output**
- **Easy operation and scalable architecture**
- **ISMA compliance for proven interoperability**

The 4View™ decoder from Envivio provides real-time MPEG-4 decoding for PAL and NTSC Standard Definition, full frame rate video. It has been designed to meet the needs of all fixed and mobile professional video contribution and primary distribution applications. 4View is a key component of Envivio's media transport solutions. It is a companion product to Envivio's 4Caster™ product range.

Features

- Supports MPEG-4 Advanced Video Coding (AVC/H.264), Advanced Simple Profile (ASP), and Simple Profile (SP) video decoding
- Supports MPEG-4 Advanced Audio Coding (AAC) and CELP audio decoding
- Front panel (4500/4505 models)
- Web-based remote management
- Available with digital or analog outputs
- DVB-ASI input (4505 model)

Applications

- Digital satellite news gathering
- Video contribution over IP and ATM networks
- High-quality surveillance
- Video monitoring

Benefits

- High-quality MPEG-4 and H.264 decoding
- Compact rack-mount design
- Significant reduction in network bandwidth (satellite, ATM, broadband IP) compared to MPEG-2 encoding

Technical Specifications

	4View Broadcast 4010 (ASP Decoding / Analog Output)	4View Broadcast 4500 (AVC + ASP Decoding / Digital Output)	4View Broadcast 4505 (AVC + ASP Decoding / Digital Output)
Inputs	1 x 10/100 BaseT Ethernet IP multicast or unicast stream Transport over TCP/UDP/reliable UDP	1 x 10/100 BaseT Ethernet IP multicast or unicast stream Transport over TCP/UDP/reliable UDP	DVB-ASI 1 x 10/100 BaseT Ethernet IP multicast or unicast stream Transport over TCP/UDP/reliable UDP
Outputs	<i>Video</i> S-Video Analog composite Component RGB or YPbPr <i>Audio</i> Analog unbalanced	<i>Video</i> Digital SDI output (8-bit SMPTE-259M) <i>Audio</i> 48 kHz stereo AES and SDI embedded audio	<i>Video</i> Digital SDI output (8-bit SMPTE-259M) <i>Audio</i> 48 kHz stereo AES and SDI embedded audio
Video Decoder	MPEG-4 ASP levels 0-5 (no GMC or 1/4 pixel) MPEG-4 SP levels 0-3 ISMA Profile 0 and Profile 1 <i>Resolutions:</i> QCIF (176 x 144 pixels) to CCIR-601 (720 x 480/576 pixels) <i>Data rate:</i> 20 kbps to 3 Mbps	MPEG-4 AVC/H.264 MPEG-4 ASP levels 0-5 MPEG-4 SP levels 0-3 ISMA Profile 0 and Profile 1 <i>Resolutions:</i> QCIF (176 x 144 pixels) to CCIR-601 (720 x 480/576 pixels) <i>Data rate:</i> 20 kbps to 3 Mbps	MPEG-4 AVC/H.264 MPEG-4 ASP levels 0-5 MPEG-4 SP levels 0-3 ISMA Profile 0 and Profile 1 <i>Resolutions:</i> QCIF (176 x 144 pixels) to CCIR-601 (720 x 480/576 pixels) <i>Data rate:</i> 20 kbps to 3 Mbps
Audio Decoder	MPEG-4 Advanced Audio Coding (AAC) and CELP	MPEG-4 Advanced Audio Coding (AAC) and CELP	MPEG-4 Advanced Audio Coding (AAC) and CELP
Advanced Processing		Post-filtering options including smoothing and deblocking filters (ASP)	Post-filtering options including smoothing and deblocking filters (ASP)
Control	<i>Remote:</i> Web-based remote management	<i>Local:</i> Front panel <i>Remote:</i> Web-based remote management	<i>Local:</i> Front panel <i>Remote:</i> Web-based remote management
Physical and Power	1RU 9" 483 mm (W) x 229 mm (D) x 45 mm (H) 19" (W) x 9" (D) x 1.75" (H) <i>Weight:</i> 3.6 kg (8 lb) <i>Power in:</i> 100-240 VAC auto-ranging <i>Power consumption:</i> 150 W maximum	1RU 17" 483 mm (W) x 432 mm (D) x 45 mm (H) 19" (W) x 17" (D) x 1.75" (H) <i>Weight:</i> 7 kg (15 lb) <i>Power in:</i> 100-240 VAC auto-ranging <i>Power consumption:</i> 150 W maximum	1RU 17" 483 mm (W) x 432 mm (D) x 45 mm (H) 19" (W) x 17" (D) x 1.75" (H) <i>Weight:</i> 7 kg (15 lb) <i>Power in:</i> 100-240 VAC auto-ranging <i>Power consumption:</i> 150 W maximum
Environmental Conditions	Ambient temperature <i>Operating:</i> 5 to 35° C (41 to 95° F) <i>Non-operating/storage:</i> -40 to 70° C (-40 to 158° F) Relative humidity <i>Non-operating:</i> 95% at 30° C (86° F) non-condensing	Ambient temperature <i>Operating:</i> 5 to 35° C (41 to 95° F) <i>Non-operating/storage:</i> -40 to 70° C (-40 to 158° F) Relative humidity <i>Non-operating:</i> 95% at 30° C (86° F) non-condensing	Ambient temperature <i>Operating:</i> 5 to 35° C (41 to 95° F) <i>Non-operating/storage:</i> -40 to 70° C (-40 to 158° F) Relative humidity <i>Non-operating:</i> 95% at 30° C (86° F) non-condensing