

MEC-60DC

H.264 Multi-codec Video Decoder

Technical Specification



Key Features

- ▶ Cost-effective multi-codec video decoder
- ▶ Supports H.264, MPEG-2, or MPEG-4 formats.
- ▶ Duplex serial data and stereo audio.
- ▶ 3-level access control.
- ▶ SNMP and network time (NTP) support.
- ▶ Remotely upgradeable.
- ▶ Support 1 BNC Port PAL/NTSC.
- ▶ Support Image Resolution: D1, 1/2D1, 2CIF, CIF, QCIF, VGA.
- ▶ Support Live view: HTTP, FTP pull.
- ▶ Transmission interface 10/100Base-TX Fast Ethernet.
- ▶ Support Contact Closures 2 Port.
- ▶ Support LED Status indicators.

Description

The unique Wellsite MEC-60DC multi-codec video decoder, decodes most streams effortlessly. With its automatic format detection, it can decode most H.264, MPEG-2 and MPEG-4 streams. It's an open, low latency, and cost-effective decoder solution for IP video CCTV applications producing crystal clear and highly detailed images.

Model	MEC-60DC	
Video		
Number Of Channel	1 x PAL/NTSC (Auto/PAL/NTSC)	
Input Level	1 Vpp (±3 dB)	
Compression algorithm(s)	H.264 BP (ISO/IEC 14496-10) MPEG-4, MPEG-2 (ISO/IEC 14496-2)	
Types Of Streaming	UDP/IP (multicast and/or unicast)	
Output Streams	Up to 20	
Image Resolutions	D1, 1/2D1, 2CIF, CIF, QCIF, VGA	
Frame Rate	1 to 30 fps	
Video Overlay	3 x Text lines (configurable: position color, border/outline color, font size), 1 x image in BMP, GIF, JPEG	
Live View Encoder	HTTP, FTP pull	
Connector Type	75 Ω BNC (gold-plated Centre pin)	
Audio		
Number Of Channel	2 (Stereo, Full-duplex)	
Number Of Streams	3 (multicast and/or unicast)	
Sampling	8/16-bits linear PCM or G.711	
Input Level	Adjustable, mic or line	
Output Level	Adjustable, 3 Vrms maximum	
Connector Type	RJ-45	
Data		
Number Of Channel	2 Full-duplex	
Interface(s)	1x RS-232, 1x RS-422/485 (2-wire or 4-wire)	
Types Of Streaming	TCP/UDP/MX Configurable	
Data Rate	300 b/s to 230.4 kb/s	
Connector Type	RJ-45	
Contact Closures		
Number Of Channel	2 x in, 2 x Out	
Number Of Streams	2 x 3 (multicast and/or unicast)	
Output	Fail-safe, potential-free	
Connector Type	RJ-45	
Transmission interface		
Number Of Interfaces	1	
Interface(s)	10/100Base-TX Fast Ethernet, Auto negotiation, half-duplex/full-duplex, 10/100Mb	
SFP Option	Empty SFP slot for 100Mbps SFP device	
Protocols	H.264 BP, MPEG-4 ES, (M)JPEG, RTP, TCP, UDP, IP, DHCP, IGMPv2, (S)NTP, MX/IP, HTTP, SNMPv2, FTP, TelNet, SAP, UPnP	
Connector Type	RJ-45	
Management		
LED Status	DC	Power-on indicator (green)
	NV	No video on input (red)
	Sync	All links are operational (green); failure in RX stream(s) (yellow); failure in TX stream(s) (red)
	Ethernet	Green LED: on = 100 Mb, off = 10 Mb; amber LED: on = link okay, flashes with activity
Network management	SNMP v.2, MX, HTTP API, HTML (Password protected)	
Powering		
PW Consumption	<5W	
Rack-Mount Units	MC10 and MC11 power supply cabinets	
Stand-Alone Units	11 to 19 VDC (PSA-12DC or PSR-12DC)	
Environmental		
Operating Temperature	-10°C to +60°C (+14°F to +140°F)	
Relative Humidity	<95% with no condensation	
MTBF	>200,000 hours	
Safety and EMC	IEC/EN 60950-1, IEC/EN 60825, IEC/EN 61000, EN 50130-4, EN 50081-1, EN 55022, FCC part 15	
NEMA Standard	NEMA TS 2 compliant	
Mechanical		
Dimensions (H x W x D)	128 x 34 x 190 mm (5.04 x 1.34 x 7.5 in)	
Weight	450 g (15.80 oz.)	
Housing	Rack-mount or stand-alone	