## Model 2020



# MPEG-4VIDEO video over IP codec

- Allows cost effective migration of analog cameras to IP networks.
- Point-to-point analog extension with ability to configure and view via the Web.
- High-resolution dual-stream
   MPEG-4-based video at 30 frames
   per second (1 dedicated to Web access).
- Resolution scalable to 480 vertical lines for MPEG-2 video quality at a lower data rate.
- RS-232/422/485 serial port to support PTZ and Data Controller Access devices.
- Alarm inputs/outputs: (dry contact input, relay contact output).
- Optional bidirectional audio.
- Optional extended temperature range.
- SSL-based user authentication.
- All firmware, including video codec are upgradeable via the network.
- User selection of RTP/IP, UDP/IP, TCP/IP, or multicast IP protocols.

Model 2020 MPEG-4 Digital Video Codec

The Force, Incorporated Model 2020 MPEG-4 Digital Video Codec is a self-contained solution for video transport over IP networks. The Model 2020 provides a cost effective, reliable solution, perfect for distance learning, corporate video, and video monitoring and surveillance. Using CAT 5, fiber optic, or wireless media, the Model 2020 delivers high quality MPEG-4 video at 30 frames per second on 10/100 Base-T networks. The Model 2020 can be extended over local and wide area networks (LANs or WANs) or even over the Internet using ISDN, PSTN, or xDSL routers. The Model 2020 is completely software upgradeable to provide long term investment protection.

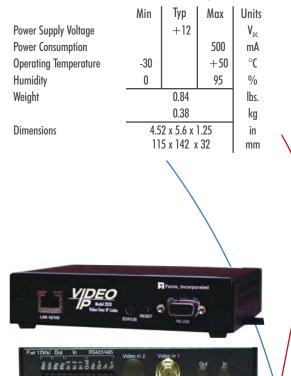
# Available through **Multicom, Inc.**

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#### /ideo and Audio Characteristics\*

_	Min	Тур	Max	Units
Video I/O Level		1		Volt p-p
Video I/O Impedance		75		Ohms
Compatibility	NTSC or PAL			
Video Resolution	Scalable - up to 720 x 480			
Video Frame Rate	Up to 30 fps			
Video Compression	MPEG-4 Based			
Video Bandwidth	30 kb/s		4 Mb/s	
Audio I/OLevel	-46		-3	dBv
Audio Interface	dB9/ Screw Terminal			
Alarm Input	3 Dr	3 Dry Contact Inputs		
Alarm Output	1 Rel	1 Relay Contact Output		
Network Interface	Ether	Ethernet 10/100 Base-T		
Network Transport Protoco	RTP/IP, UDP/IP, TCP/IP			
	or multicast IP			
Other Network Protocols	DNS and DHCP Client			
Network Security	SSL Authentication			
Certifications	FCC Part 15,			
	ICES-003/NMB-003,			
	CE, EN55022:			
	1998 Class A, EN 55024			

#### Electrical, Environmental, and Physical Characteristics\*



### Data Characteristics\*

Data Interface LAN Interface Data Interface RS-232/422/485 RJ-45 DB-9, Terminal Strip

2020T-NN

2020R-NN

2020TA-NN

2020RA-NN 2020TB-NN

2020RB-NN

2020TC-NN

2020RC-NN

2020CA-NN

## Model 2020 MPEG-4 Video Over IP Codec Front and Rear Panels

#### Ordering Information\*

Encoder, Audio, Bidirectional Data, Standard Enclosure Decoder, Audio, Bidirectional Data, Standard Enclosure Encoder, Audio, Bidirectional Data, Hardened Enclosure Decoder, Audio, Bidirectional Data, Hardened Enclosure Encoder, Bidirectional Data, Standard Enclosure Decoder, Bidirectional Data, Standard Enclosure Encoder, Bidirectional Data, Hardened Enclosure Decoder, Bidirectional Data, Hardened Enclosure Decoder, Bidirectional Data, Hardened Enclosure Panel, 19" Rack-Mount, Black, Anodized (for 10 Modules) \* Contact Force, Inc. for complete specifications

 Available through
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