

Prism Mobile 5G Dual



VIDEO

Video Inputs	1x 12G/6G/3G/HD/SD-SDI (75 Ω BNC) 1x HDMI 2.0 Type-A receptacle
Video Outputs	12G/6G/3G/HD/SD-SDI (75 Ω BNC)
Supported Modes	Single Encode, Bi-directional Encode/Decode (additional license)
Supported Resolutions	4K DCI p23.98/24/25/29.97/30/50/59.94/60 4K UHD UHD p23.98/24/25/29.97/30/50/59.94/60 1080p 23.98/24/25/29.97/30/50/59.94/60 1080i 50/59.94/60 1080PsF 23/24/25/29/30 720p 50/59.94/60 576i 480i

VIDEO PROCESSING

Video Compression/ Decompression	ISO MPEG-4 Part 10: Advanced Video Coding (AVC)/ITU H.264 AVC: Baseline, Main, High ISO MPEG-H Part 2: High-Efficiency Video Coding (HEVC)/ITU H.265 HEVC: Main
Supported Video Bitrate	250 kbps to 85 Mbps with advanced encoder and rate control configuration

Video Format Conversion Support	Built in video scaler and deinterlacer
Number of encoded streams	Up to one 4KDCI p60 4:2:2 10bit
HDR Support	Yes (2020-PQ, 2020-HLG, P3D65-PQ)
Color Fidelity	8-bit, 10-bit encoding Configurable 4:2:2/4:2:0 chroma subsampling
Bonding	Up to 7 bonded connections (Teradek Bonding Protocol, Teradek Reliable Transport (TRT))
Recording	SD Card - Full size, USB Drive, NFS
Camera to Cloud	Core Cloud, Teradek TV, S3 Bucket, Frame.io, Sony Ci, Sony C3 Portal, PIX, Moxion
Overlay Engine	Up to 10 Overlays + Additional Dynamic OSD
PROTOCOL SUPPORT	
Network Protocols	TCP/IP, UDP, HTTP, DHCP, NTP, SSL, IGMP
Supported Video Transport Protocols	HLS, MPEG-TS (DASH, UDP, TCP, TCP Server, Multicast), RIST, RTP Push, RTMP / E-RTMP, RTMPS, RTSP, SRT, Teradek Cloud Protocol, Teradek Reliable Transport, WHEP, WHIP
Remote Management	Teradek Core Cloud, Private SDK
AUDIO	
Audio Compression	AAC-LC, MPEG Layer II, OPUS, AC3
Audio Bitrate	32kbps to 512kbps
Audio Streaming	1-8 tracks, configurable mono, stereo, 5.1 or 7.1
Audio Sample Rate	48kHz
Audio Input	Up to 16 channels embedded over SDI, 8 Channels HDMI, 3.5mm TRS Stereo Line Level Analog or Microphone in, adjustable gain
Audio Output	Analog 3.5mm TRRS headset (Used for IFB)

IFB	Analog 3.5mm Line Level, USB-A Headset or Audio Interface (< 1.5A)
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LICENSABLE FEATURES

Multi-Output	Add additional streaming outputs
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Decode	Enable Return Video decoding
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SCTE-35 / 104	Enable SCTE support
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PHYSICAL ATTRIBUTES

Dimensions	5.9"W x 3.9"D x 1.3"H [162 x 92 x 35mm]
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Weight	23.4oz [664g] without plates; 30.5oz (864g) with plates
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Construction	Milled aluminum
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Mounting Options	Camera-back, Gold, Gold 26V and V-Lock mounts, Can be mounted using the 1/4" 20 mounting holes
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Additional Modem Mounting	Prism Mobile Node Bracket via 1/4-20 and 2x M3 machine screws.
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INTERFACES

Configuration Interface	Core Cloud for remote device management, Feature-rich Web UI for local device management, Intuitive iOS configuration app (Prism App), OLED Status Display w/ Nav control buttons
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Cellular	2x Internal Node-5G Modems
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USB Interface Functionality	1x Powered LEMO with Node Modem support 1x Powered USB-A with external storage support
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Ethernet	2x 10/100/1000 BASE-T Gigabit Ethernet (RJ45)
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Wireless	WiFi: 2.4/5GHz 802.11 a/b/g/n/ac/ax MIMO - BLE for Network Configuration
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POWER

Power Input	2-pin circular locking connector, Gold, Gold 26V and V-Lock Battery Plates
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Voltage	6-28V DC
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Power Consumption 20W Nominal, 36W Max