UCrypt® UCRVM

UCrypt® Remote Video Monitor (UCRVM)

Patent Pending
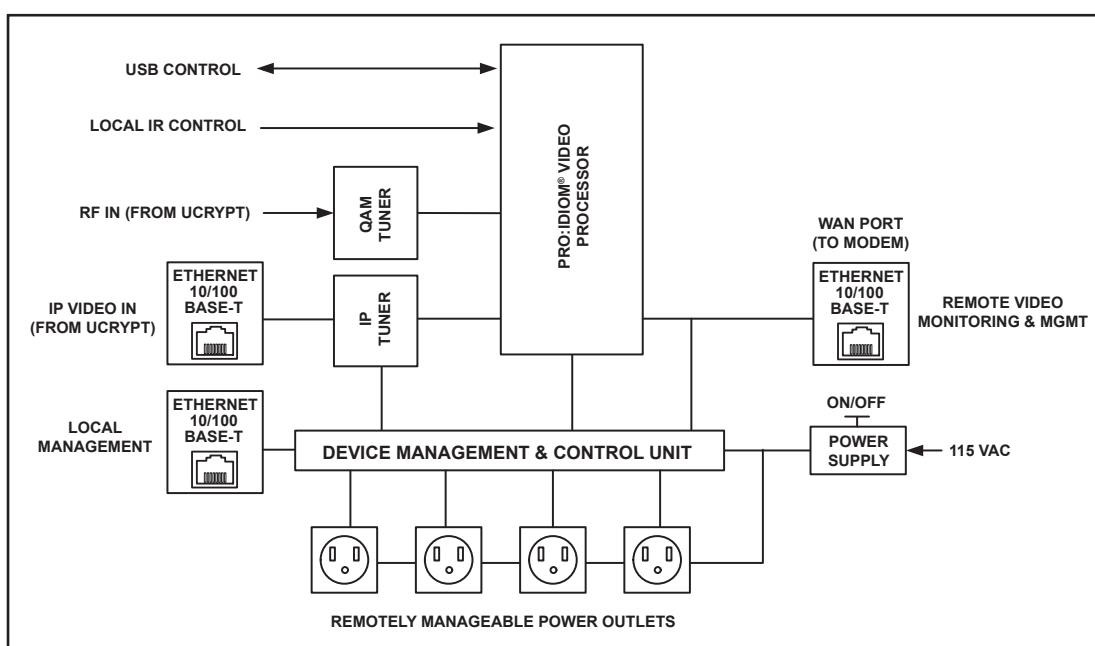
Features:

▸ The UCrypt® Remote Video Monitor (UCRVM) allows MSOs to remotely monitor live Pro:Idiom® encrypted (or in-the-clear) video from any UCrypt product version deployed in the field or in a headend/hub

▸ The UCRVM allows the operator to view multiple Pro:Idiom encrypted programs in real time and verify presence & quality of video & audio at the premises without the need to roll a truck

▸ Remotely managed power outlets allow for up to 4 UCrypt devices to be individually remotely power cycled in the event of direct communication loss with a UCrypt device

▸ The HTTP-based management interface allows operators to manage & monitor the product remotely

UCrypt® UCRVM Specifications

SPECIFICATIONS		
INPUT		
RF INPUT	RF QAM	64 QAM & 256 QAM Tuners
	CONNECTOR	F Connector (75 Ω)
	FREQUENCY RANGE	54-864 MHz
	RF INPUT LEVEL	+0 to +10 dBmV per Digital Carrier
	ENCRYPTION FORMAT	Supports Monitoring of Pro:Idiom Encrypted Video
IP VIDEO INPUT	ETHERNET	IEEE 802.3-2002,10/100BASE-T
	CONNECTORS	1x RJ45
	IP PROTOCOLS	UDP, RTP, RTSP
	VIDEO RESOLUTIONS	480i/480p/720p/1080i/1080p
	VIDEO CODECS	MPEG-1, MPEG-2, H.264
	AUDIO CODECS	AC-3, PCM, MP3, AAC
	ENCRYPTION FORMAT	Supports Monitoring of Pro:Idiom Encrypted Video
OUTPUT		
REMOTE MONITORING	VIDEO & AUDIO FORMAT	IP over Ethernet - IEEE 802.3-2002,10/100BASE-T
	CONNECTORS	1x RJ45
	BIT RATE	Requires Min. 1.5 Mbps Upload Speed to WAN
REMOTE POWERING		
CONNECTORS		4 Power Outlets (IEC 6950, 3-conductor)
OUTPUT POWER		115 VAC, 2A @ 115 VAC per Outlet, 50/60 Hz
OPERATION		Default Power State is ON
CONTROL		Individually Controlled ON/OFF State
DEVICE MANAGEMENT		
MANAGEMENT INTERFACE		Local or Remote Management via Integrated Web Server
MANAGEMENT INTERFACE PORT		10/100/1000BASE-T, Static IP or DHCP, RJ45
INFRARED PORT		For Optional Local IR-based Remote Control
USB PORT		For Optional Local Configuration
PHYSICAL & ENVIRONMENTAL		
MECHANICAL		2RU, 19" Rack Mount: 3.5"H x 19.0"W x 22.8"D (8.89H x 48.26W x 57.91D cm)
POWERING		115 VAC; 8A @ 115 VAC; 50/60 Hz; Rear IEC Connector (3-conductor)
POWER CONTROL		Rear Panel ON/OFF Switch w/ LED Indicator
OPERATING TEMPERATURE		0ºC to +50ºC (+32ºF to +122ºF)
HUMIDITY		0-95% Non-condensing

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Functional Schematic

USB CONTROL

LOCAL IR CONTROL

RF IN (FROM UCRYPT) → QAM TUNER

IP VIDEO IN (FROM UCRYPT) — ETHERNET 10/100 BASE-T — IP TUNER

PRO:IDIOM® VIDEO PROCESSOR

WAN PORT (TO MODEM)

ETHERNET 10/100 BASE-T — REMOTE VIDEO MONITORING & MGMT

LOCAL MANAGEMENT — ETHERNET 10/100 BASE-T

DEVICE MANAGEMENT & CONTROL UNIT

ON/OFF

POWER SUPPLY ← 115 VAC

REMOTELY MANAGEABLE POWER OUTLETS

UCRVM (front view)

UCRVM (rear view)

Ordering Information

Part Number	Description
UCRYPT MONITORING	
UCRVM	UCrypt Remote Video Monitor