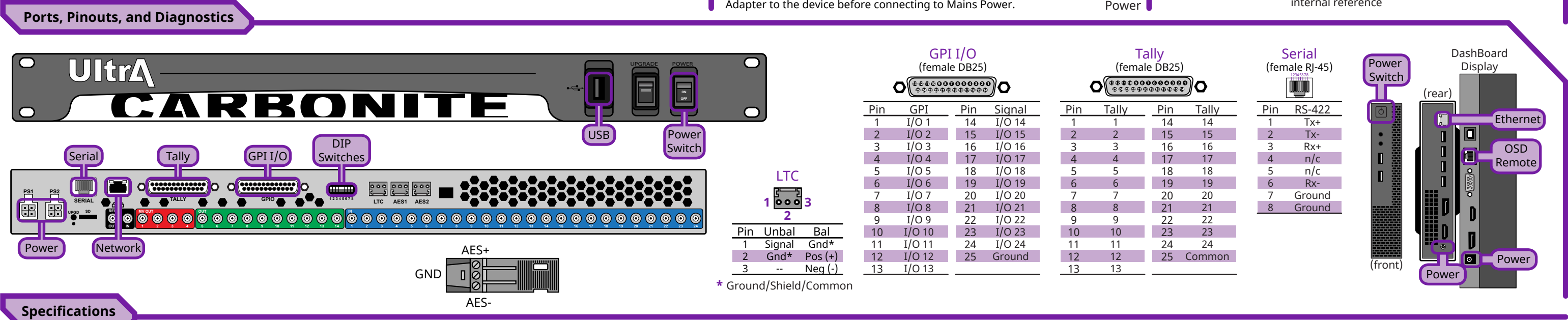
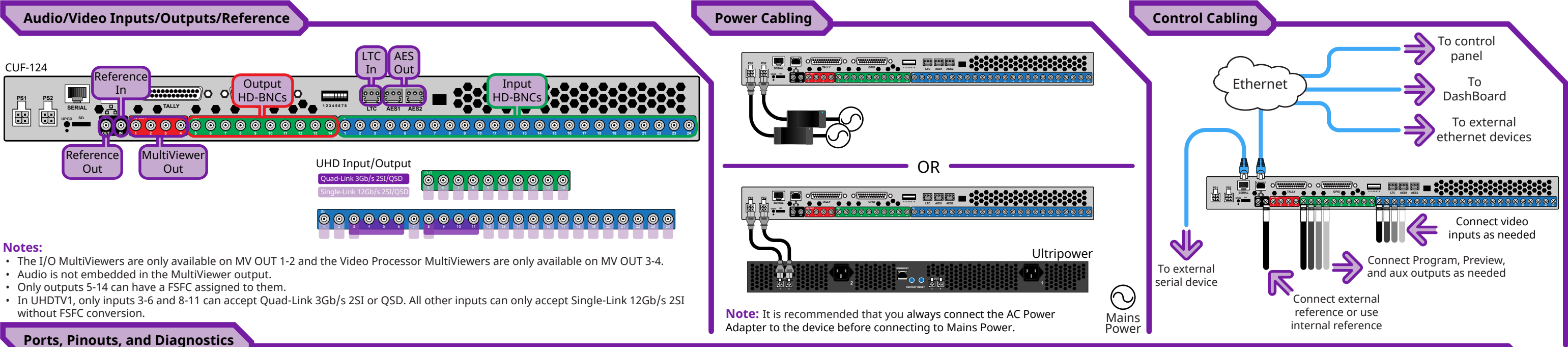




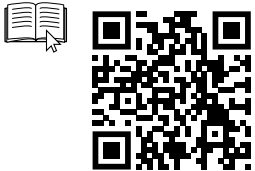
Specifications

SDI Input Formats	Default Values	Max Power Consumption
480i 59.94Hz	Frame IP 192.168.0.123	Consumption 114W, 7.6A, 15V
576i 50Hz	FTP User name user	Input Voltage 100-120V~
720p 50/59.94Hz	FTP Password password	(External PS) 220-240V~
1080i 50/59.94Hz		47-63Hz
1080pSF 23.98/24/25/29.97Hz		
1080p 23.98/24/25/30/29.97/30/50 (A)/59.94 (A)/60Hz		
UHDTV1 23.98/24/25/29.97/30/50/59.94/60 (Single-Link 12Gb/s 2SI, Quad-Link 3Gb/s 2SI, Quad-Link 3Gb/s QSD)		

Tally Rating	Temperature
Input Voltage: 24VAC (rms) / 40VDC	Operating: 0 - 40°C (32 - 104°F)
Maximum Current: 120mA	Storage: -20 - 85°C (-4 - 185°F)
Impedance: < 15 ohms	

Video Input Specifications	Video Output Specifications
Equalization >40m @ 12Gb/s (using Belden 1694 cable)	Return Loss < -7.8dB @ 12Gb/s
Impedance 75 ohm, terminating	< -15dB @ 1.5Gb/s
Video Inputs SMPTE 259M/292M serial digital (non-looping)	< -10dB @ 3Gb/s
Reference Inputs Standard Definition — analog black (non-terminating, looping)	Rise and Fall Time 27ps +/- 10% (UHD)
	800ps +/- 10% (SD)
	240ps +/- 10% (HD)
	Signal Level 800mV +/- 10%
	DC Offset 0 Volts
	Overshoot < 10%
	SDI HD Mode 10-bit SMPTE-292M/424M
	SDI UHD Mode SMPTE ST 2082-1:2015 (1:2016)

AES Output Specifications
Audio Depth 24-bit in HD
20-bit in SD
Channels 1 Stereo Pair
File Format Multi-Channel
Waveform Audio File
Impedance 110 Ohms, differential
Min/Max Output Voltage 1.5/6V peak-to-peak
Swing
Rise and Fall Times 20ns (typical)
Sample Rate 48kHz
Synchronization Locked to Video



FrameGlow Diagnostics

NORMAL: Normal operation. No warnings. Actual color is user selectable.



BOOTING: Frame hardware is booting up. (cycle from blue to white)



BOOTING: Frame software is booting up. (solid blue)



UPGRADE: Frame is being upgraded. (cycle from yellow to white)



NO NETWORK: Frame cannot detect a network connect. (cycle from purple to green)



WARNING - FAN: Frame fan is not responding. (cycle from red to green)



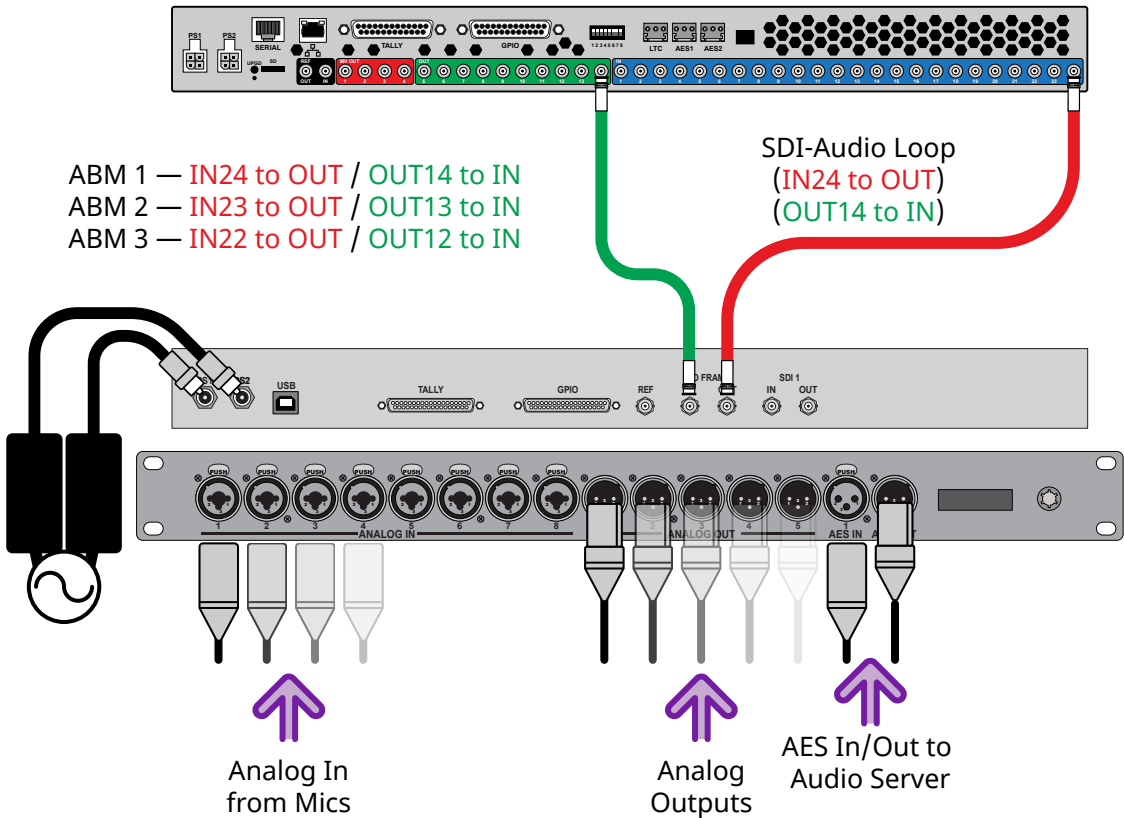
WARNING: Frame is over-temperature or there is a status warning. (cycle from red to white)



CRITICAL: Frame is critically over-temperature. Auto power-down imminent. (solid red)



1RU Audio Breakout Module (ABM)



Important: Ensure that Phantom Power is turned off for the Analog Input unless you are connecting a microphone that requires phantom power. Connecting the line out from an audio device to the analog input with phantom power on could damage the audio device and/or the 1RU Audio Breakout Module. For added safety, a TRS phone connector should be used for line in audio sources.

Note: It is recommended that you always connect the AC Power Adapter to the device before connecting to Mains Power.

Analog Audio Input Specifications	
Input Impedance	XLR: 2K ohm ¼" Jack: 10K ohm
Maximum Level	+24dBu
Frequency Response	±0.3dB (22Hz to 20kHz @ Fs = 48kHz)
Signal to Noise Ratio	-95dB
"A" weighting	-98dB
CCITT weighting	-107dB
THD	>93dB or <0.002%
Amplitude Linearity	<0.8dB @ -100dBFS
Crosstalk	-94dB

Analog Audio Output Specifications	
Maximum Level	+24dBu
Frequency Response	±0.4dB (22Hz to 20kHz @ Fs = 48kHz)
Signal to Noise Ratio	-103dB
THD	>93dB
Amplitude Linearity	<0.3dB @ -100dBFS
Crosstalk	-106dB (20Hz to 20kHz)

Max Power Consumption	
Audio Breakout Module	45W 3.75A 12V

Having a problem? Call our free, 24-hour technical support hotline to speak with a live product specialist located right here in our facility.
Tel: (+1) 613 • 652 • 4886
Email: techsupport@rossvideo.com