



BMTS-MA
Aircraft Transceiver



BMTS-ME
Antenna Mounted
Transceiver



BMTS-MI
Communication and Control Unit

Physical			
Weight (lbs.)	4.65	3.55	6.25
Dimensions	Box - 4.9" W x 9.2" D x 5.62" H With connectors - 4.9" W x 9.9" D x 5.62" H With mounting tray - 5.12" W x 13.12" D x 6.77" H	8.12" W x 8.17" D x 3.28" H – box 8.12" W x 8.87" D x 3.28" H – with connectors	17.3" W x 12.0" D x 1.725" H – box 18.99" W x 12.71" D x 1.725" H – with connectors
Power			
Input	10-30VDC (+28VDC nominal) –	Universal AC Input: 85~285VAC, 50/60Hz - DC Input: 12-28V	Universal AC Input, 85~285VAC, 50/60Hz
Power Consumption	Up to 80W (with 3 channels, 10W transmit power, and 2GHz band)	Up to 60W (10W transmit power, 2GHz band)	Up to 100W (10W transmit power, 2GHz band)
Operating Temperature			
Temperature	-30° to +65° C	-15° to +60° C	-15° to +60° C
I/O			
Audio	MPEG-2 ADTS; MPEG-4 LOAS/LATM encoding	N/A	MPEG-2 ADTS; MPEG-4 LOAS/LATM decoding
Compression Channels	Up to two (2) SDI embedded audio channels	N/A	Up to two (2) embedded audio channels in SDI and HDMI outputs
Ethernet	DLC50 Control Panel	None	Ethernet
Local Control	Ethernet	Ethernet	Ethernet
Remote Configuration	Web GUI	Web GUI	Web GUI
Serial Ports	RS232 2 serial channels, each up to 115 kB/s.	N/A	RS232 2 serial ports, each up to 115 kB/s (can contain BTMS-MA user data serial channel(s) & GPS data).
HD Video			
Compression	H.264 and H.265 encoding	N/A	H.264; H.265
Resolution/ Frame Rates	720x480i 60/59.94 Hz (NTSC) 720x576i 50 Hz (PAL) 720p 60/59.94/50/30/29.97/25 Hz 1080i 60/59.94/50 Hz 1080p 60/59.94/50/30/29.97/25/24/23.98 Hz	N/A	720x480i 60/59.94 Hz (NTSC) 720x576i 50 Hz (PAL) 720p 60/59.94/50 Hz 720p 30/29.97/25 Hz (SDI only – not supported on HDMI) 1080i 60/59.94/50 Hz 1080p 60/59.94/50/30/29.97/25/24/23.98 Hz
Network Protocols	Unicast or Multicast MPEG Transport Stream Secure Reliable Transport (SRT) Real-Time Streaming Protocol (RTSP)	N/A	Unicast or Multicast MPEG Transport Stream Secure Reliable Transport (SRT) Real-Time Streaming Protocol (RTSP)
Security			
Security	CTR-AES-256 RF Encryption	N/A	CTR-AES-256 RF Encryption
3x3 MIMO			
3x3 MIMO	Spatial Multiplexing	N/A	Spatial Multiplexing
MANET			
MANET	Advanced Wave Relay multicast algorithms Self-Forming/Healing Peer-to-Peer No Master Node IPv4 and IPv6 compatible Integrated DHCP server	Advanced Wave Relay multicast algorithms Self-Forming/Healing Peer-to-Peer No Master Node IPv4 and IPv6 compatible Integrated DHCP server	Advanced Wave Relay multicast algorithms Self-Forming/Healing Peer-to-Peer No Master Node IPv4 and IPv6 compatible Integrated DHCP server

