Smart Stream

SMT 07 4G RANGER

SMT 07 4G Ranger encoder is a real-time video transmission terminal based on advanced multi-link technology and H.264 encoding technology. It is versatile support 4G, WIFI and Ethernet network. Especially it can hybrid bind 3 inner 4G modules with 1 external USB 4G dongle to get the high speed and stability bandwidth simultaneously. About 600 grams of weight, compact design, simple touch screen interface. It is easily used in out-doors real-time high definition video transmission. SMT 07 4G ranger is good suitable for mobile news gathering, outdoor broadcast and internet live interview.

Key Features:

➢ Advanced 4G multi-link technology integrates with high quality H.264 video encoding
➢ FEC and dynamic bitrates adjustment technology to ensure the smoothness and stable transmission picture.
➢ Supports 3G/4G, WI-FI, LAN multi-mode network transmission.
➢ Support FDD-LTE，TD-LTE，WCDMA，CDMA2000，TD-SCDMA.
➢ 3 Nano inner 4G/3G modules, support different 4G/3G system binding.
➢ Support external USB 4G/Wi-Fi/GPS dongle also. (optional)
➢ Supports multiple video resolutions: 1920*1080, 1280*720, 720*576, 720*480
➢ Resolution, frame rate and bit rate can auto-smoothly be changed according to the actual network situation.
➢ Supports HD/SD, SDI, or HDMI interface inputs
➢ Light weight, Just 600 grams, but with 2.5 hours of battery life, easy to carry
➢ Support external battery and the external battery can be replaced without interrupted the transmission.

Accessories:

Specification:

Input	Video	SDI or HDMI （Factory custom）
		720x480i/p 720x576i/p 1280x720p 1920x1080i/p
	Audio	SDI or HDMI （Factory custom）
		MIC (3.5mm)
Video Process	Compressed STD	H.264/MPEG4-AVC
	Encoding Delay	Less than 300ms
	Resolution	Adjusted, 352x288 ~ 1920x1080
	Frame Rate	Adjusted, 8Hz – 60Hz
	Profile	Adjusted, High, Main, Baseline
	Level	Adjusted, Level 10 – 41
	Bit Rate	Adjusted, 100Kbps - 8Mbps
	BitRate Control	CBR/VBR
Audio Process	Sample Size	24 bit
	Sample Rate	32KHz 44.1KHz 48KHz
	Audio Channel	Stereo Mono-L Mono-R
	Compress STD	AAC
	Bit Rate	30Kbps ~ 384Kbps
Output	Interface	RJ45 10/100Mbps
		WIFI （802.11ac/n/g/b）
		3 inner 4G/3G module （Mixed work）
		1 external USB 4G/Wi-FI/GPS dongle(optional)
	Streaming	Multi-link and RTMP publish
Control	Front Panel	color touch screen
	Network	Server remote control
	Preview	color touch screen
M&E	Weight	0.6 Kg
	Dimension	36x112x155 mm
	Power Source	Internal Battery （2 h）
		External: DC 12-15V⎓1.5A
	Consumption	24W