

NEW

# QoolTornado QG7000

## 4K/HD Compressed Video over IP Transmitter

**PFU**  
a Fujitsu company

### New Features

- IP Network(1/10Gbps) transmission
- JPEG2000 Compression
- Multiple 4K video streams transmission
- Two paths transmission for redundancy
- Ultra low latency mode
- Change source without SHOCK
- IP Multicast
- Tally signal transmission
- SMPTE2022-1/2 based
- Encode/Decode board in any combination



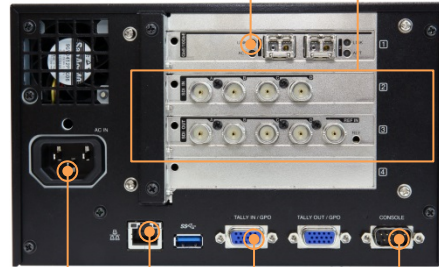
### Specification

Front panel



- ① Power switch
- ② Function key
- ③ LCD 5inch monitor
- ④ Menu key
- ⑤ Escape key

Rear panel



- ① Network I/F board
- ② JPEG2000ENC/DEC board
- ③ Power supply
- ④ LAN port(Remote control)
- ⑤ Tally/GPI/GPO
- ⑥ Console (Maintenance only)

※spec may be changed without any notice.

Video signal	Input signal	HD-SDI(SMPTE292M) 3G-SDI(SMPTE424M)
	Format	3840×2160(QFHD) 4096×2160(FULL 4K) ※Square Division
	Frame rate	1080p/60, 59.94, 50, 30, 29.97, 24, 23.976 1080i/60, 59.94, 50
	Codec	JPEG2000
	Encoding rate	2Gbps Max.
	Connector	BNC
Audio signal	Input signal	Embedded Audio
	Codec	None(Uncompressed)
	Input channels	32ch Max.
	Encoding rate	PCM
	Sampling frequency	48kHz
	Sampling bit rate	24bit (16/20bit TBD)
Control	Operation	Front panel control button /LCD5 inch display
	Remote Control	Web
Network	Connector	SFP+(LC) RJ-45 (Modules elective)
	Network interface	1/10Gbps Ethernet (Wired LAN) ※Redundant network support
	Error correction	Pro-MPEG (SMPTE 2022 -1) FEC
	Transmission method	RTP/UDP/IP Multicast ※MPEG2-TS over IP (SMPTE 2022-2)
Other	Latency	Ultra Low-Latency(ULL) mode: 1Frame or less non-ULL mode 5Frame or less
	Ancillary data	LTC
	AUX data	Tally
	Operating Temperature	5~40°C Humidity 20~80%RH (Non-condensing)

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