FT-ONE Datasheet

1. Specifications

Basic specifications

Temperature	0 to 40 ºC
Humidity	30% to 85% (no condensation)
Power	+12 to +17 VDC
Consumption	160 W (with full options: 180 W)
Dimensions	232 (W) x 294 (H) x 392.7 (D) mm (excluding projecting parts)
Weight	7.5 kg (with full options: 8.6 kg)
Consumables (at 24-hour operation)	Cooling fan: Replace every 4 years (at room temperature) Button cell (for internal clock backup) CR2032: Replace every 5 years (at room temperature)

Technical specifications

Interface	10/100/1000BASE-T/TX (For the Remote control unit or Remote control panel connection)		
Lens Mount	PL mount		
Shutter Speed	Preset speeds between 1/frame rate and 1/50,000 sec. selectable		
Quantization	12 bit x RGB		
Recording Duration	Recording Frame Rate (major)		Standard recording time
	Total recording time	24 fps	352.5 sec.
		60 fps	141.7 sec.
		120 fps	70.8 sec.
		180 fps	47.2 sec.
		240 fps	35.4 sec.
		300 fps	28.3 sec.
		360 fps	23.6 sec.
		420 fps	20.2 sec.
		480 fps	17.7 sec.
		540 fps	15.7 sec.
		600 fps	14.2 sec.
		720 fps	11.8 sec.
		760 fps	11.2 sec.
		780 fps	10.9 sec.
		810 fps	10.5 sec.
		860 fps	9.8 sec.

Memory Partition	1 to 16 segments	
Video Adjustment	Digital Gain	-9.0dB～+42.0dB
	Sensor Gain	0dB, 3dB, 6dB, 9dB, or 12dB
	White Balance	Semi-auto, or preset value
4K Video Output		
3G-SDI x 4	3840 x 2160 pixel video images divided into four 3G-SDI video images.	
Output Format	1080/59.94p, 1080/50p	
VF / AUX Output		
HD-SDI	Down-converted from 4K video signal	
Output Format	1080/59.94i, 1080/50i	
Audio Input	Audio data is embedded to SDI output signals. No audio data can be recorded in the built-in memory or SSD cartridge tapes.	
Mic input	5-pin female XLR x 1 (1 stereo pair), balanced, high-impedance. Input level: -60 dBu, -50 dBu, -40 dBu Phantom power supply: +48 V / OFF	
Line input	3-pin male XLR x 2 (1 stereo pair), balanced, high-impedance Input level: -3 dBu / 0 dBu / +4 dBu	
Audio Output		
Embedded Audio	2ch (1 stereo pair).	
Headset Output	3.5 mm stereo mini-phone jack x 1 (1 stereo pair)	
Tally Output	3.5 mm mini-phone jack (on the handle) x 1: 5V, within 300 mA	
Genlock Input	BB: NTSC: 0.429 Vp-p, PAL: 0.45 Vp-p or, Tri-level Sync: 0.6Vp-p	
Genlock Mode	Internal sync, External sync (BB or Tri-level sync)	
Iris Control	Manual, Auto	
Trigger	START, 10%-45%, CENTER, 55%-90% and END selectable	
Trigger Signal Input	Input through buttons on the FT-ONE, GPI (contact signal), or remote control unit (option)	

Options

| FT-ONE2T	SSD cartridge (2 TB)
FT-ONE-1TL	Low-cost SSD cartridge (1 TB)
FT-1RU/RUA	Remote control unit (Including a dedicated 16 VDC adapter) LAN cable (5 m x 1) for Remote Unit connection
FT-1READ	RAW to DPX data converter Including keyboard and mouse (FT-ONE SSD Reader and FT-ONE Player installed)
FT-1RCP	Remote control panel (Including dedicated 16 VDC adapter)
FT-1CDS	SSD Cartridge Docking Station (Including a dedicated 16 V DC adapter)

![FOR.A logo]

SSD Cartridge (Option) Specifications

Type	FT-ONE2T	FT-ONE-1TL
Capacity	76,000 frames	38,000 frames
Recording speed	Appr. 27 sec/1,000 frames	Appr. 27 sec/1,000 frames
Playback frame rate	60 fps (max)	60 fps (max) *
Weight	0.6 kg	0.6 kg

Accessories
AC adapter and Operation manual

2. External Dimensions

FT-ONE

(All dimensions in mm.)
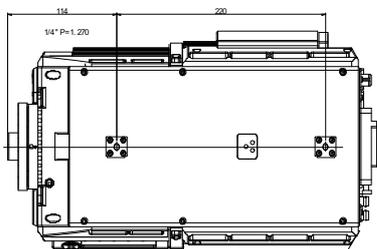
TOP VIEW WITHOUT HANDLE
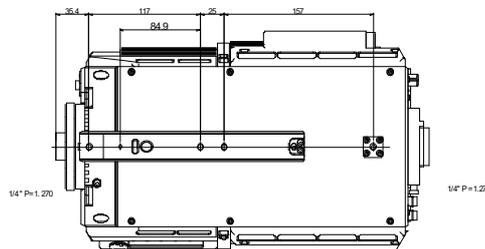
TOP VIEW WITH HANDLE
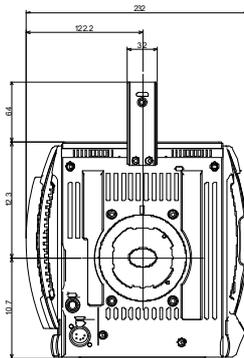
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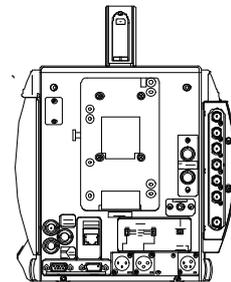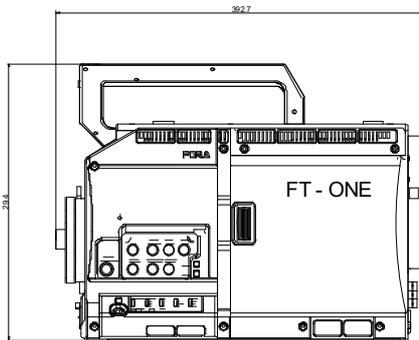
FT - ONE

BACK VIEW
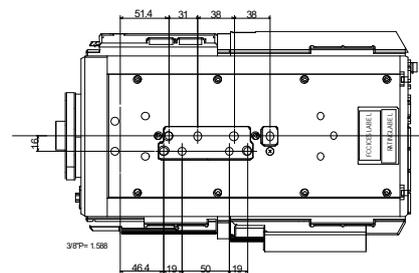
BOTTOM VIEW

FT-ONE 2T / FT-ONE-1TL

(All dimensions in mm.)

67

58.2

(125.1)

121.9

(78.8)

76

WRITE PROTECT

OFF   ON

FT-ONE2T
SER. NO.