

Triax Camera Adaptor CX-HD1300

CCU connector	1x-Triax connector
Video transmission system	Fully digital bi-directional, 10-bit, 4 : 2 : 2 sampling, 3G (1080p50/59.94)
Intercom	2x channel, 5-pin each XLR, MIC on/off, ENG/PD level control, Tracker level control
Program audio	2x, PGM audio level controls w/ Chn1 & Chn2 intercom mix
Teleprompter power output	1x 5-pin, 230 VAC, 60 W to 100 W, external prompter Tally drive out (depending on configuration accessories)
Microphones	Chn1 & 2, Line or MIC level select (MENU), with +48 V phantom power on/off
Return/ Aux switcher	Remote AUX / VF video select connector (RET control)
Video Inputs & Outputs	2x HD-SDI1/3 OUT, 3G-SDI/HD-SDI • 3G-SDI (1080p50/59.94): SMPTE424/425 Level-A • HD-SDI (1080i50/59.94): SMPTE292M 1x HD-SDI2 OUT 3G-SDI or HD-SDI • 3G-SDI (1080p50/59.94): SMPTE424/425 Level-A • HD-SDI (1080i50/59.94): SMPTE292M 1x SD analog prompter out shared with Genlock in
Other I/O	1x 29-pin (for SA-1000 cable-less interface) (female) 1x 5-pin script lamp +12 VDC (1.0 A max) (female) 1x 6-pin VF AUX return (female) (for use in cranes or extended Head / VF configurations) 1x XLR 4-pin, 12VDC power input (male)
Dimensions	142 (W) x 188 (H) x 202 (D)
Mass	2.6 kg, 5.7 lbs. approx.
Operating Temperature	-10 °C to +45 °C, 14 °F to +114 °F

Studio Adaptors SA-1000 / SA-1000-S1 / SA-1000-S2 / SA-1000-S4

Dimensions	310 (W) x 352 (H) x 500 (D) mm
Power output	DC12 V±10% (Max 2.5 A) SA-1000 / SA-1000-S2 AC117 V±10% (Max 0.5 A) SA-1000-S1 / SA-1000-S4
Mass	Approx. 18 kg, 40 lbs (SA-1000 with LM-B1000)
Operational temperature	-10 °C to +45 °C, +14 °F to +114 °F
Power consumption	Approx. 1.5 W

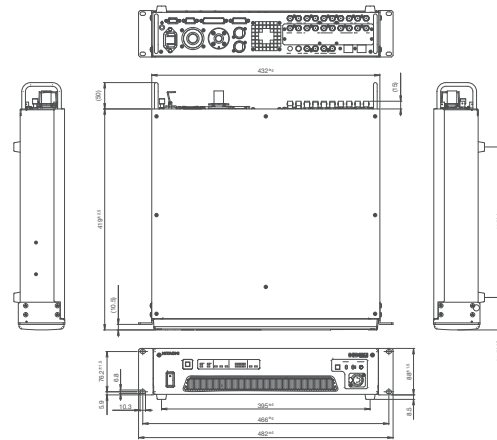
2-inch Color Viewfinder VF-L20HD

Display device	2-inch color TFT LCD (16:9)
Number of pixels	960 (H) x 540 (V)
Functions	BRIGHT, CONTRAST, Diopter PEAKING knob VR (front facing)
Internal tally	Red / Green
Tally switch	Tally switch OFF, NORMAL, HIGH
Power Consumption	Approx. 5.0 W (at Heater-OFF) 6.5 W (at Heater-ON)

Camera Control Unit CU-HD1300FT/ CU-HD1300T

GENLOCK IN	1x BNC • B-BST 0.45Vp-p/75Ω (loop through) • HDTV tri-level sync 0.60Vp-p/75Ω (loop through)
RETURN IN (1/2/3/4) RETURN B IN (1/2)	2x BNC, 3G-SDI/HD SDI(1080i or 720P)/ SD SDI • 3G-SDI: SMPTE424/425 Level-A • HD-SDI: SMPTE292M • SD-SDI: SMPTE259M-C NOTE: RETURN (3/4) and RETURN B (1/2)are provided by CU-HD1300FTE and CU-HD1300FE
PROMPT IN HD/SD OUT (1/2/3)	1x BNC, VS or VBS 1.0Vp-p/75Ω (loop through) 6x BNC, 3G-SDI(1080p)/HD-SDI (1080/25p, 1080/25PsF, 1080i or 720p)/ SD-SDI selectable (Embedded audio available) • 3G-SDI: SMPTE424/425 Level-A • HD-SDI: SMPTE292M • SD-SDI: SMPTE259M-C
PIX/WFW OUT	1x BNC, 3G-SDI/HD-SDI (1080i or 720p)/SD-SDI selectable (Embedded audio available) • 3G-SDI: SMPTE424/425 Level-A • HD-SDI: SMPTE292M • SD-SDI: SMPTE259M-C
MIC OUT 1	1x XLR, 3-pin, 0dBm/ 600Ω
MIC OUT 2	1x XLR, 3-pin, 0dBm/ 600Ω
INTERCOM (HEAD SET)	1x XLR, 5-pin, 0dBu Max +15dB
REMOTE 1	1x 4-pin, 1.5Vp-p or 1x D-sub, 9-pin RS-232C (Switchable)
REMOTE 2	1x 4-pin, 1.5Vp-p
REMOTE 3	1x RJ-45
COMMUNICATION · INTERCOM	1x D-sub 25-pin 0dBm , 600 Ω at 4Wire 0dBu or -15dBu ,200 Ω at 2Wire (ENG, PD and PGM)
TALLY OUT (R/G)	1x D-sub 9-pin, Contact 24 Vdc, 10 mA
WFM CONTROL	1x D-sub 15-pin WFM 0-7, 0/5V
Power supply voltage	100 to 240 VAC 47 to 63Hz(with auto-sensing mode)
Mass	11 kg, 24.3 lbs. approx.
Dimensions	432 (W) x 88 (H) x 419 (D) mm, 2 RU
Operating temperature	0°C to 40°C, 32°F to 104°F
Power consumption	300W approx. (AC operation, including SK-HD1300, VF-402 and AUX POWER OUT 100VA)

DIMENSIONS (CU-HD1300FT)



Hitachi Kokusai Electric

HITACHI
Inspire the Next

SK-HD series cameras and Z-HD series cameras

Accessories

SA-1000-S2
Studio Adaptor



CX-HD1300
Triax Camera Adaptor



Rear Panel

CU-HD1300FT
Triax and Fiber Camera Control Unit



Front Panel



Rear Panel (Fiber and Triax)

VF-L20HD
2inch Color LCD Viewfinder



CAUTION : To ensure safe operation, please read the instruction manual before using this product.

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Tentative

3G Hybrid Digital Triax and Fiber System CU-HD1300FT series

Hitachi dual-purpose CCU has both Triax and Fiber interface and transmits 3G(1080p)/1.5G(1080i) video using original ultra-low latency H.264 codec. The CU-HD1300FT can change the use of the Triax and Fiber with replacing the dock-able camera adapter without changing the camera. Multilevel digital modulation technology

transmits multi-format video with high bitrates on long distance triax cable. The CU-HD1300FT series camera control units are very compact 2U size.
CU-HD1300FT : Triax/Fiber dual-purpose CCU
CU-HD1300T : Triax CCU

CCU Common Features and Benefits

- The CU-HD1300FT series camera control units are very compact 2U size.
- Multi Format outputs :3G 1080p(50/59.94) 1.5G 1080i (50/59.94) / 720p (50/59.94) / SD-SDI

- 3G (1080p) /1.5G (1080i) video transmission
- Auto power switching 100 to 240 V AC 47 to 63 Hz
- TCP/IP Network connectivity via RJ45

CU-HD1300FT/CX-HD1300/CA-HF1200 Digital Triax and Fiber System

- CCU Status OPT&TRX LED indicators show cable condition on front panel.
- Triax/Fiber dual-purpose CCU equips both Triax and Fiber connectors and transmit 3G (1080p) video.

Triax Mode

- Multilevel digital modulation technology transmits high bitrates signal Multi-format Long distance transmission with Triax cable up to 1800 m (@ 14.5 mm FUJIKURA), 900 m @ 8.6 mm FUJIKURA, 1250 m @ 11 mm DRAKA and 1750 m @ 14.4 mm NK NETWORKS (1080i).
- Ultra-Low latency H.264 codec
Less than 1 field (<20 ms) latency by multi-slice ultra-Low latency H.264 codec.

Fiber Mode

- With 9.5 mm SMPTE 311 cable up to 4000 m video transmission
- With Single mode fiber up to 10,000 m video transmission

Option Model

1080p (29.97/25) : CU-HD1300FT/CU-HD1300T
4K format (50/59.94) : CU-HD1300FT/CU-HD1300T
LAN Trunk via RJ45 : CU-HD1300FT/CU-HD1300T/CX-HD1300
Back lit rear panel : CX-HD1300

CU-HD1300FT Triax and Fiber Camera Control Unit



CU-HD1300FT Front Panel



CU-HD1300FT Rear Panel (Fiber/Triax)

CX-HD1300 Triax Adaptor



CX-HD1300
50Hz ,Fisher
Rear Panel



CX-HD1300
60Hz, Kings
Rear Panel

SA-1000 Studio Adaptors

- With consideration to our customers and advancements in production workflows that require hand-held cameras to be used with large lenses in studio or field HD productions, Hitachi offers the SA-1000 studio Adaptor.
- Functions routinely required by the cameraperson in Studio and Field production are brought out from the camera menu system and grouped in the SA-1000's rear operation panel for easy access.



Black color
(SA-1000-S2/SA-100-S4)

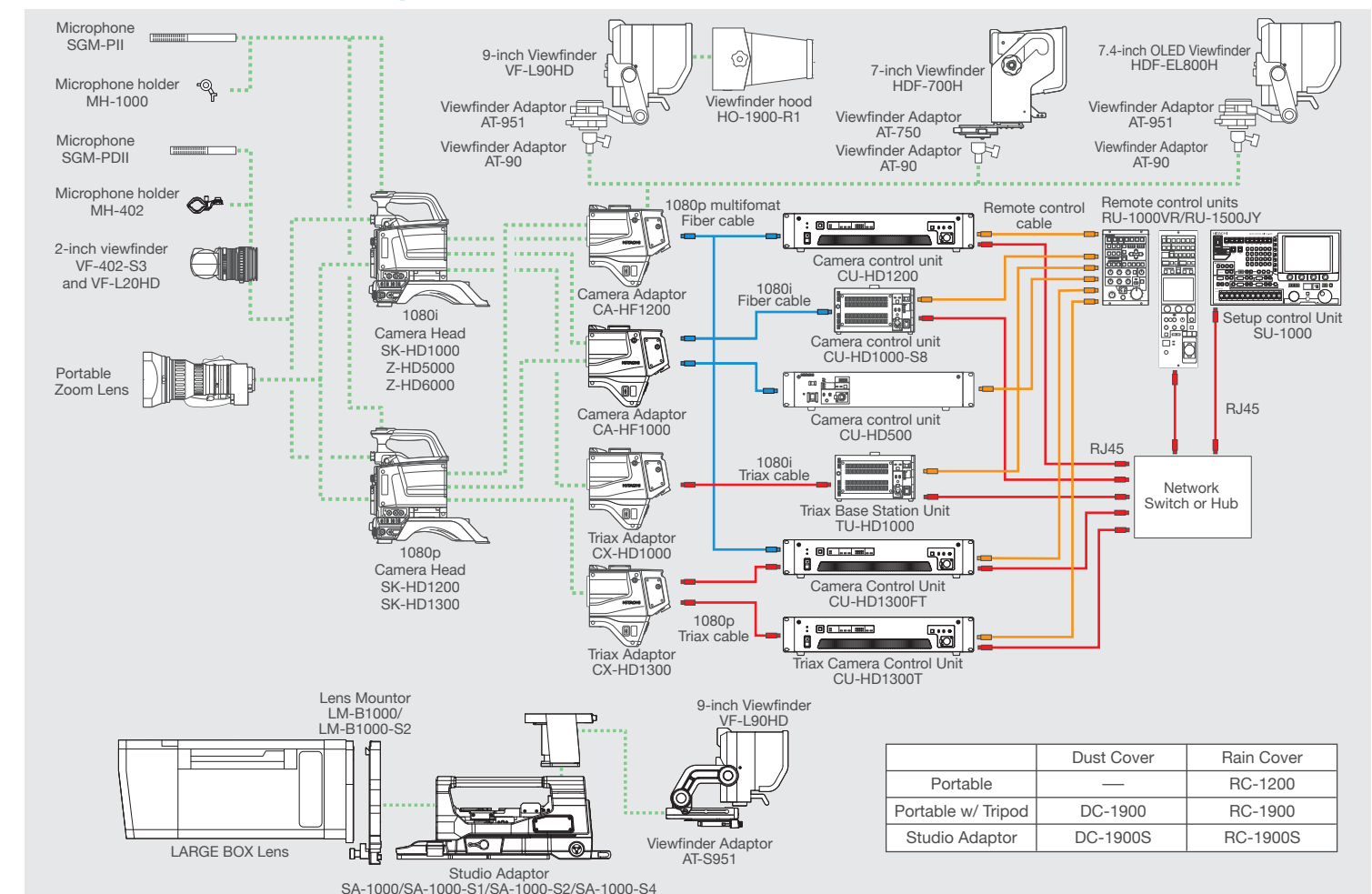
VF-L20HD 2inch Color LCD Viewfinder

- Model VF-L20HD has High-resolution 2-inch color LCD panel with the built-in heater.



VF-L20HD

System configuration chart



Single Mode Fiber System

