Hitachi Kokusai Electric
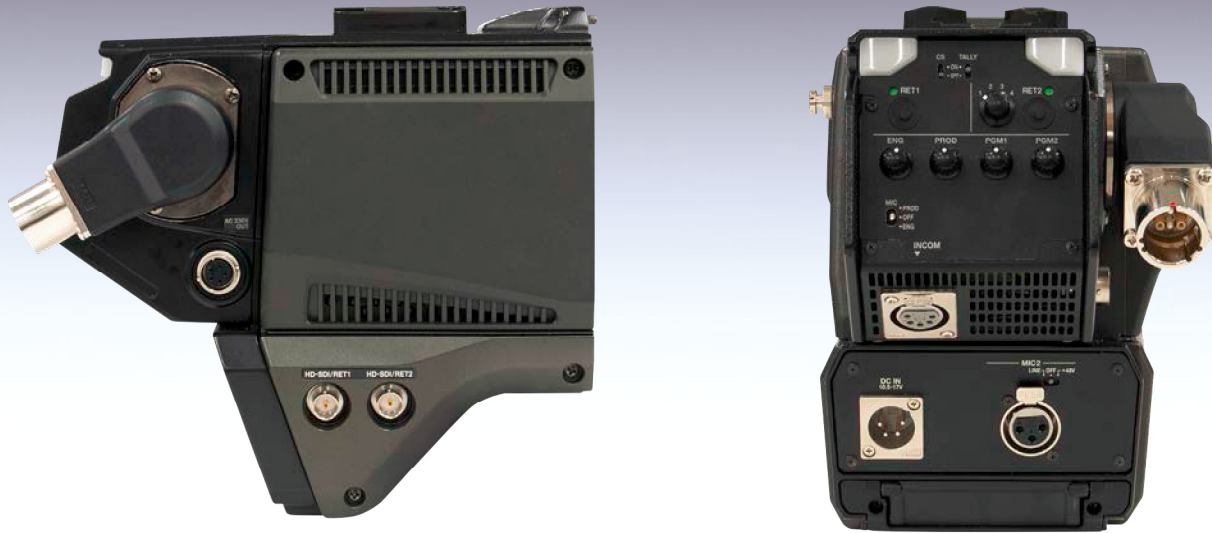
HDTV Camera Accessories
Fully Progressive

CA-HF550 Camera Adapter

CU-HD550 Camera Control

Hitachi CA–HF550 and CU–HD550 Accessories for HDTV Studio and Field Production Cameras

CU-HD550 Camera Control Unit

The new CA-HF550 and CU-HD550 camera accessories are compatible with all Hitachi 1080p and 1080i Z and SK-series HDTV cameras. See chart below.

The new progressive-scan models and can combine with Hitachi Kokusai's 1080p60-native studio and field production cameras to create a fully-progressive 1080p60 system. This includes the global-shutter models Z-HD5500 and the SK-HD1800 cameras. This provides camera system with fully-progressive signal paths for maximum visual quality.

The CU-HD550/CA-HF550 combination offers a lower-cost entry point to full-progressive production for customers who don't require the advanced options and extra I/O connections of the CU-HD1300 CCU series.

The fiber-connected CU-HD550 combines SDTV I/O and multi-format HD SDI inputs and outputs with intercom, return video, teleprompter, tally and remote control interfaces in a heavy-duty 2RU form factor. An RJ-45 network port enables IP-based control. This includes integration with Ross Video's Open DashBoard control platform providing a Graphical User Interface with full access to all remote control functions.

CA-HF550 Camera Head Adapter

The CA-HF550 is compatible with both the new CU-HD550 and existing Hitachi CCU models. See chart below. The CA-HF550 transmits video, audio, power and control over SMPTE 304M fiber between the camera and CCU.

Two HD-SDI connections on the CA-HF550 provide video output at the camera end and can be switched between camera, prompter and return video. The CA-HF550 also provides ample AC power at the camera head to drive both a prompter and floor monitor through the hybrid fiber cable.

SPECIFICATIONS

Model Name	CU-HD550
Transmission Cable	SMPTE 304M Hybrid Fiber Optic Cable
TV Formats	1080p/1080PsF/1080i/720p
Digital Video outputs	3G-SDI or HD-SDI or SD-SDI x4 (x2/x2) (Embedded audio available) 3G-SDI or HD-SDI or SD-SDI WFM OUT x1 (Embedded audio available) 3G-SDI or HD-SDI or SD-SDI PIX OUT x1 (Embedded audio available)
Digital Video inputs	3G-SDI or HD-SDI or SD-SDI RET IN x2 (For Floor/ Talent monitor and Prompter)
Analog inputs	GL IN x2 (Loop through)
SDTV Downconvert	High-performance SDTV down converter Detail can be adjusted for SDTV video outputs without affecting the HDTV video signal outputs. SDTV aspect ratio is switchable between 16:9 and 4:3. Scan-converters for return video inputs Built-in scan converter can resize return video (3G-SDI/HD-SDI/SD-SDI) to HD-SDI (1080i) for viewfinder. Built-in frame synchronizer can accept asynchronous return video inputs.
Communications	Intercom RTS/Clear com compatible /Tally input D-sub 25pin (female)
Power Supply	100 to 240VAC 47 to 63Hz Monitor/Prompter power at camera head

These Specifications are subject to change without notice.

Compatibility Chart for CA-HF550 / CU-HD550 & Progressive Camera Systems

Compatibility Legend:		Available CCU Outputs			SMPTE 304M Fiber Transmission	Z-HD5500 Progressive, Global Shutter CMOS			SK-HD1800 Progressive, Global Shutter CMOS			SK-HD1300 Progressive CMOS			SK-HD1200 Progressive IT-CCD		
⊙ = Compatible ◎ = OK /check firmware X = Not Compatible		Progressive 24p/PsF 30p/PsF 60p	1080/ 60i, 720/ 60p	4K out (2160 X 3820) 60p		CA-HF1300	CA-HF1200	CA-HF550	CA-HF1300	CA-HF1200	CA-HF550	CA-HF1300	CA-HF1200	CA-HF550	CA-HF1300	CA-HF1200	CA-HF550
CU-HD550	Standard out	⊙	⊙	X	3G/1.5G	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	◎	⊙	⊙	◎