TECHNICAL SPECIFICATIONS

OCP 42

Power consumption 3 W 1.2 kg Weight 354 x 80 x 110 mm Dimensions H x W x D Operating temperature 0°C to +40°C **OCP42** connectors: Preview 9 pin sub-D CCU 9 pin sub-D (RS 422 and 12 V DC power input) 9 pin sub-D Loop XLR 4-pin 12 V DC DC in

1.5" (4 cm) Viewfinder

1.5" (4 cm) black and white Tube High resolution 700 TV lines +135°/-90° Rotation 70 mm lateral, 30 mm Adjustment longitudinal Weight 0.72 kg Operating temperature -20°C to +45° C

5.5" (14 cm) Viewfinder

Tube 5.5" (14 cm) black and white High resolution 600 TV lines High brightness 600 Nits 1 A Power consumption Weight 3 kg Operating temperature -20°C to +45° C

7" (17 cm) Viewfinder

Tube flat 750 TV lines High resolution High brightness 600 Nits Rotation +-90° Tilt +-50°

Environmental conditions

Weight

Environmental conditions for camera head, Microcam, Sportcam, adapters, viewfinders and Optic Extender: -20° to +45°C Temperature Electromagnetic EN 50081-1, EN 50082-1 compatibility Relative humidity (non-condensing) for 48 hours 93% RH at 40°C, IEC standard 68-2-3

(NFC 20703)

Environmental conditions for CCU and OCP40 control panel: conforms to EN 60950 Electrical safety 0° to +40°C Temperature Electromagnetic compatibility EN 55022 Class A standard Relative humidity (non-condensing) for 48 hours 93% RH at 40°C, IEC standard 68-2-3 (NFC 20703)

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CAMERA.

BRINGINGULTIMATE QUALITY TO THE

DIGITAL FUTURE







17 cm (7") black and white,

7 kg

TTV/LDK 1707 12-BIT DIGITAL TRIAX CAMERA





12-BIT DIGITAL TRIAX CAMERA. 16/9-4/3 THE NEW GENERATION 1707 CAMERA, PRODUCING IMAGES OF THE FINEST QUALITY

There has never been a camera as digital as this, from the 12 bit converters, all the way to the output of the digital triax base station.

The new generation 1707 camera brings you stability, clarity, and reproducibility, in other words, the ultimate in quality. With the 1707 you will be ready for the digital future, able to shoot in 16/9 or 4/3, producing images of the finest quality, without compromise.

12-bit Quantization

The 12-bit processing brings with it new power and a picture quality formerly unattainable in 10-bit digital cameras. These 2 bits make all the difference in increasing the dynamic range, providing excellent color accuracy in the crucial over-exposed areas, and providing exceptionally clean, noise free blacks.

Stability and Reproducibility

Use of 12-bit analog-digital converters has made possible an increase in digital processing capability, thereby reducing the analog pre-processing required in comparison with 10-bit cameras. Non-linear functions, such as white compression and gamma correction, are now carried out in the digital domain. In addition, adoption of an uncompressed digital link between camera and CCU ensures link transparency. This new architecture provides extremely stable camera settings, excellent reproducibility and complete camera-CCU interchangeability.

Technology

Thomson has designed ASICs (application specific integrated circuits) using the most advanced

technologies. Such technologies are essential for the complex image processing algorithms that make it possible to provide broadcast quality pictures at the same time as minimising the camera's volume and power requirements.

THOMSO

CCD Sensor Block

The 1707 camera offers a wide choice of sensors, enabling each operator to choose the one best suited to his requirements, with regard to technology and price.

Among the sensors available, the 1707 may be fitted with the very latest generation of IT (Interline Transfer) CCDs, in 4/3 format or switchable 16/9 - 4/3. These offer the benefit of microlens technology, as well as new improvements that mean "smear", frequently associated with such sensors, is virtually imperceptible.



1707 Microcam

The Microcam is the ultra-compact split-head option for the 1657D. It comprises a 1707 camera body, with the CCD block mounted remotely. The camera body and block are linked by a standard, 26-pin, multicore cable of up to 100 metres length, with automatic cable compensation. This system produces a very compact camera head, enabling shots that would be impossible with a conventional camera; at the same time the picture quality of the 1707 is maintained, providing a perfect match with other 1707 cameras being used. Moreover, the CCD block can be quickly refitted to the camera body to produce a conventional portable camera, once again.

Rubber components protect the camera Protected controls

1707 Sportcam

The Sportcam version of the 1707 camera provides the same performance and functionality as a traditional studio camera. This concept gives great flexibility in use, allowing rapid conversion from a portable configuration into a studio or field production configuration with a 17 cm (7") viewfinder. This versatility is increased further by the capacity to accept large lenses with different mounting systems,



Long grip for ease of handling

Viewfinder

Twin fixing ts for 14-cm vie ideal position

> Multiple fixing points accessories: cable clip microp none support, script holder, etc

> > Magnetic label olders for ease of camera

Protected

ulder-pad with non-skid surface, for a better grip on the shoulder

Shoulder-pad adjustable forwards and backwards, for perfect balance on the shoulder

simply by changing the Sportcam[™] adapter front plate. This allows the customer to rent lenses with less need to check cross compatibility.

In the Sportcam[™], everything has been designed to make life easier for the cameraman. The 17 cm (7") viewfinder offers excellent resolution and its very bright output makes this viewfinder particularly suitable for outdoor shooting. In addition, control panels enables the cameraman to select which video he wants to see in the viewfinder, as well as activating the various markers he may want to use.

The 1707 camera operates with 1.5" or 5.5" viewfinders from the Thomson range. The new 5.5" viewfinder is a compact unit with excellent ergonomics and superb design. It is the first viewfinder using LCD technology to display the camera number on 3 sides. These LCD panels not only display the camera number, but also becomes red as soon as the camera goes "On Air". Selection of the camera number, as well as the viewfinder "standby" position, can be achieved remotely from the control panel.



THE 1707, BRINGING HIGH PERFORMANCE AND FLEXIBILITY WHAT EVER THE REQUIREMENT



OCP 42 (Operational Control Panel)

Design a camera control system capable of accessing all the functions of a digital camera, while remaining simple, compact and economical: that was the specification to which THOMSON engineers designed the OCP 42.

With its LCD display and easy-to-use paged menu system, the OCP 42 combines control of the most sophisticated functions with vital speed of access to standard adjustments such as contour, iris or black level. A memory card can be used to store operating settings for several cameras (up to 24) or to store the technical values and operating settings for a single camera. In this case, the card could be used to restore all the original settings for a camera on its return from hire.

THOMSON



Dual Skin Detail

This correction allows the amplitude of the contour signal to be varied as a function of colour. To ensure satisfactory rendering in portrait shots, for example, the amount of detail in the face would be reduced relative to the rest of the picture. To make this function more flexible, two different hues may be selected anywhere in the colour spectrum.



Contrast compression with Colour Restoration The compression system is used to reproduce parts of the picture that are very brightly lit and which exceed nominal level, by reducing the dynamic range. This process, unique to THOMSON,

restores the luminance and chrominance, as well as contours in over-exposed areas, thereby avoiding desaturation. This system allows fullest use to be made of the wide contrast range available from the sensors and 12-bit analog/digital conversion.



Black Stretch

This function allows blacks either to be expanded or compressed, without affecting the rest of the picture. It is particularly useful in recovering detail from large shaded areas, typically views of the whole of a stadium, where part is in sunshine and part in shadow. Conversely, it allows contrast to be increased in pictures where it is low, as in foggy scenes, for instance.



Direct Access to Colour Temperature

The 1707 camera has an exclusive system that enables the camera colour temperature to be set in steps of 100°K, between 2.200° K and 9.900° K. This function opens up new opportunities for creativity, enabling the colour balance of a picture to be altered simply by changing the colour temperature parameter. Perfectly reproducible « moods » can quickly be achieved in shooting situations where the style of picture aids dramatic effect.



The 1707 camera includes an all-new Digital The quality of digital transmission ensures

Triax link. Thomson's unique digital triax system transmits a 4:2:2 signal without compression from camera to CCU, delivering at the CCU outputs the highest quality images with up to 500 m of cable. complete transparency of the link, allowing camera-CCU interchange without risk of colour changes. A true studio camera, the 1707 offers every feature necessary for its integration into a production environment, including facilities to fit a teleprompter on the camera.

Optic Extender

The Optic Extender has been designed to extend the digital triax link used with a 1707 camera. While keeping the remote feed of the camera unit, this optic expender allows the following links: - 2 km for a 1707 camera in Sportcam configuration, - 3 km for a 1707 camera in portable configuration.

Talkback

a talkback channel:

- variable listening level for the cameraman. The high power available allows good audibility, even with very loud ambient sound levels, as at rock concerts.
- connections compatible with 4-wire
- or RTS/Clearcom systems.

Microphone

at the rear of the camera:

- CD quality digital sound transmission from camera to CCU
- sensitivity adjustable on the camera
- +48 V phantom powering

Teleprompter

Optionally, the 1707 camera may be fitted with a second video return channel. If used as a teleprompter channel, an external DC/DC converter is required to power the teleprompter monitor. This unit is powered from the camera via its DC utility power output.

Triax CCU Remarkably light (7 kg) and compact (3U high, half 19" rack size), the CCU DT500 will fit easily into any control room. It has analog composite as well as 270 Mb/s 4:2:2 serial digital outputs.

4:2:2 Uncompressed Digital Triax

The 1707 camera includes

- control room level (input/output) adjustable
- in 6 dB steps from -6 to +12 dB.
 - A microphone input is available





TECHNICAL SPECIFICATIONS

1707 Camera Head

Gain

Standard	PAL, NTSC
Sensors	1707 TX: 3 CCD 2/3" IT "low
	smear" (Interline Transfer)
	813 H x 503 V pixels in NTSC,
	4/3 format
	813 H x 585 V pixels in PAL.
	4/3 format
	1707 WIDE LS: 3 CCD 2/3"
	IT "low smear"
	(Interline Transfer)
	$1020 \text{ H} \times 505 \text{ V}$ pixels
	in NTSC 16/9-4/3 format
	1008 H x 591 V nivels in PAL
	16/9-4/3 format
	1707 WIDE EX• 3 CCD 2/3"
	FIT (Frame Interline Transfer)
	1020 H x 401 V pixols in
	NTSC $16/0.4/3$ format
	1009 H x 595 V pixele in DAL
	16/0 4/2 format
	10/9-4/3 Iomat
	3 GGD 2/3 FII
	(Frame Intenne Transfer)
	NISC, 16/9-4/3 format
	1255 H X 587 V pixels in PAL,
•• • • • • •	16/9-4/3 format
Modulation dopth	4707 WIDE EV 4060.
	1707 WIDE FA 1250:
	85% typ. at 5 MHz
	85% typ. at 5 MHz 1707 WIDE LS
	1707 WIDE FX 1250: 85% typ. at 5 MHz 1707 WIDE LS and WIDE FX:
	1707 WIDE FX 1250: 85% typ. at 5 MHz 1707 WIDE LS and WIDE FX: 75% typ. at 5 MHz
	1707 WIDE FX 1250: 85% typ. at 5 MHz 1707 WIDE LS and WIDE FX: 75% typ. at 5 MHz 1707 TX and FX: 65 % typ.
	1707 WIDE FX 1250: 85% typ. at 5 MHz 1707 WIDE LS and WIDE FX: 75% typ. at 5 MHz 1707 TX and FX: 65 % typ. at 5 MHz
Horizontal resolution	1707 WIDE FX 1250: 85% typ. at 5 MHz 1707 WIDE LS and WIDE FX: 75% typ. at 5 MHz 1707 TX and FX: 65 % typ. at 5 MHz 950 TV lines in 16/9
Horizontal resolution	85% typ. at 5 MHz 1707 WIDE LS and WIDE FX: 75% typ. at 5 MHz 1707 TX and FX: 65 % typ. at 5 MHz 950 TV lines in 16/9 750 TV lines in 4/3
Horizontal resolution	85% typ. at 5 MHz 1707 WIDE LS and WIDE FX: 75% typ. at 5 MHz 1707 TX and FX: 65 % typ. at 5 MHz 950 TV lines in 16/9 750 TV lines in 4/3 Standard or extended (PAL:
Horizontal resolution	85% typ. at 5 MHz 1707 WIDE LS and WIDE FX: 75% typ. at 5 MHz 1707 TX and FX: 65 % typ. at 5 MHz 950 TV lines in 16/9 750 TV lines in 4/3 Standard or extended (PAL: 530 lines in extended mode)
Horizontal resolution Vertical resolution Registration	85% typ. at 5 MHz 1707 WIDE LS and WIDE FX: 75% typ. at 5 MHz 1707 TX and FX: 65 % typ. at 5 MHz 950 TV lines in 16/9 750 TV lines in 4/3 Standard or extended (PAL: 530 lines in extended mode) Zones 1, 2, 3: 0.05%
Horizontal resolution Vertical resolution Registration	85% typ. at 5 MHz 1707 WIDE LS and WIDE FX: 75% typ. at 5 MHz 1707 TX and FX: 65 % typ. at 5 MHz 950 TV lines in 16/9 750 TV lines in 4/3 Standard or extended (PAL: 530 lines in extended mode) Zones 1, 2, 3: 0.05% (excluding lens errors)
Horizontal resolution Vertical resolution Registration Splitter	 85% typ. at 5 MHz 1707 WIDE LS and WIDE FX: 75% typ. at 5 MHz 1707 TX and FX: 65 % typ. at 5 MHz 950 TV lines in 16/9 750 TV lines in 4/3 Standard or extended (PAL: 530 lines in extended mode) Zones 1, 2, 3: 0.05% (excluding lens errors) RGB splitter aperture f/1.4,
Horizontal resolution Vertical resolution Registration Splitter	85% typ. at 5 MHz 1707 WIDE LS and WIDE FX: 75% typ. at 5 MHz 1707 TX and FX: 65 % typ. at 5 MHz 950 TV lines in 16/9 750 TV lines in 4/3 Standard or extended (PAL: 530 lines in extended mode) Zones 1, 2, 3: 0.05% (excluding lens errors) RGB splitter aperture f/1.4, with infra-red and
Horizontal resolution Vertical resolution Registration Splitter	85% typ. at 5 MHz 1707 WIDE LS and WIDE FX: 75% typ. at 5 MHz 1707 TX and FX: 65 % typ. at 5 MHz 950 TV lines in 16/9 750 TV lines in 4/3 Standard or extended (PAL: 530 lines in extended mode) Zones 1, 2, 3: 0.05% (excluding lens errors) RGB splitter aperture f/1.4, with infra-red and anti-aliasing filters
Horizontal resolution Vertical resolution Registration Splitter Sensitivity	85% typ. at 5 MHz 1707 WIDE LS and WIDE FX: 75% typ. at 5 MHz 1707 TX and FX: 65 % typ. at 5 MHz 950 TV lines in 16/9 750 TV lines in 4/3 Standard or extended (PAL: 530 lines in extended mode) Zones 1, 2, 3: 0.05% (excluding lens errors) RGB splitter aperture f/1.4, with infra-red and anti-aliasing filters 2,000 lux at f/8 (reflectance
Horizontal resolution Vertical resolution Registration Splitter Sensitivity	85% typ. at 5 MHz 1707 WIDE LS and WIDE FX: 75% typ. at 5 MHz 1707 TX and FX: 65 % typ. at 5 MHz 950 TV lines in 16/9 750 TV lines in 4/3 Standard or extended (PAL: 530 lines in extended mode) Zones 1, 2, 3: 0.05% (excluding lens errors) RGB splitter aperture f/1.4, with infra-red and anti-aliasing filters 2,000 lux at f/8 (reflectance 89.9, color temperature
Horizontal resolution Vertical resolution Registration Splitter Sensitivity	85% typ. at 5 MHz 1707 WIDE LS and WIDE FX: 75% typ. at 5 MHz 1707 TX and FX: 65 % typ. at 5 MHz 950 TV lines in 16/9 750 TV lines in 4/3 Standard or extended (PAL: 530 lines in extended mode) Zones 1, 2, 3: 0.05% (excluding lens errors) RGB splitter aperture f/1.4, with infra-red and anti-aliasing filters 2,000 lux at f/8 (reflectance 89.9, color temperature 3,200°K)
Horizontal resolution Vertical resolution Registration Splitter Sensitivity Minimum light level	85% typ. at 5 MHz 1707 WIDE LS and WIDE FX: 75% typ. at 5 MHz 1707 TX and FX: 65 % typ. at 5 MHz 950 TV lines in 16/9 750 TV lines in 4/3 Standard or extended (PAL: 530 lines in extended mode) Zones 1, 2, 3: 0.05% (excluding lens errors) RGB splitter aperture f/1.4, with infra-red and anti-aliasing filters 2,000 lux at f/8 (reflectance 89.9, color temperature 3,200°K) approx. 5.5 lux (lens aperture
Horizontal resolution Vertical resolution Registration Splitter Sensitivity Minimum light level	85% typ. at 5 MHz 1707 WIDE LS and WIDE FX: 75% typ. at 5 MHz 1707 TX and FX: 65 % typ. at 5 MHz 950 TV lines in 16/9 750 TV lines in 4/3 Standard or extended (PAL: 530 lines in extended mode) Zones 1, 2, 3: 0.05% (excluding lens errors) RGB splitter aperture f/1.4, with infra-red and anti-aliasing filters 2,000 lux at f/8 (reflectance 89.9, color temperature 3,200°K) approx. 5.5 lux (lens aperture f/1.4, gain 21 dB)
Horizontal resolution Vertical resolution Registration Splitter Sensitivity Minimum light level Signal/noise ratio	85% typ. at 5 MHz 1707 WIDE LS and WIDE FX: 75% typ. at 5 MHz 1707 TX and FX: 65 % typ. at 5 MHz 950 TV lines in 16/9 750 TV lines in 4/3 Standard or extended (PAL: 530 lines in extended mode) Zones 1, 2, 3: 0.05% (excluding lens errors) RGB splitter aperture f/1.4, with infra-red and anti-aliasing filters 2,000 lux at f/8 (reflectance 89.9, color temperature 3,200°K) approx. 5.5 lux (lens aperture f/1.4, gain 21 dB) 63 dB typical NTSC; 61 dB
Horizontal resolution Vertical resolution Registration Splitter Sensitivity Minimum light level Signal/noise ratio	85% typ. at 5 MHz 1707 WIDE LS and WIDE FX: 75% typ. at 5 MHz 1707 TX and FX: 65 % typ. at 5 MHz 950 TV lines in 16/9 750 TV lines in 4/3 Standard or extended (PAL: 530 lines in extended mode) Zones 1, 2, 3: 0.05% (excluding lens errors) RGB splitter aperture f/1.4, with infra-red and anti-aliasing filters 2,000 lux at f/8 (reflectance 89.9, color temperature 3,200°K) approx. 5.5 lux (lens aperture f/1.4, gain 21 dB) 63 dB typical NTSC; 61 dB typical PAL
Horizontal resolution Vertical resolution Registration Splitter Sensitivity Minimum light level Signal/noise ratio Filter wheels	85% typ. at 5 MHz 1707 WIDE LS and WIDE FX: 75% typ. at 5 MHz 1707 TX and FX: 65 % typ. at 5 MHz 950 TV lines in 16/9 750 TV lines in 16/9 750 TV lines in 4/3 Standard or extended (PAL: 530 lines in extended mode) Zones 1, 2, 3: 0.05% (excluding lens errors) RGB splitter aperture f/1.4, with infra-red and anti-aliasing filters 2,000 lux at f/8 (reflectance 89.9, color temperature 3,200°K) approx. 5.5 lux (lens aperture f/1.4, gain 21 dB) 63 dB typical NTSC; 61 dB typical PAL second wheel and
Horizontal resolution Vertical resolution Registration Splitter Sensitivity Minimum light level Signal/noise ratio Filter wheels	85% typ. at 5 MHz 1707 WIDE LS and WIDE FX: 75% typ. at 5 MHz 1707 TX and FX: 65 % typ. at 5 MHz 950 TV lines in 16/9 750 TV lines in 4/3 Standard or extended (PAL: 530 lines in extended mode) Zones 1, 2, 3: 0.05% (excluding lens errors) RGB splitter aperture f/1.4, with infra-red and anti-aliasing filters 2,000 lux at f/8 (reflectance 89.9, color temperature 3,200°K) approx. 5.5 lux (lens aperture f/1.4, gain 21 dB) 63 dB typical NTSC; 61 dB typical PAL second wheel and motorisation optional
Horizontal resolution Vertical resolution Registration Splitter Sensitivity Minimum light level Signal/noise ratio Filter wheels Wheel 1:	85% typ. at 5 MHz 1707 WIDE LS and WIDE FX: 75% typ. at 5 MHz 1707 TX and FX: 65 % typ. at 5 MHz 950 TV lines in 16/9 750 TV lines in 16/9 750 TV lines in 4/3 Standard or extended (PAL: 530 lines in extended mode) Zones 1, 2, 3: 0.05% (excluding lens errors) RGB splitter aperture f/1.4, with infra-red and anti-aliasing filters 2,000 lux at f/8 (reflectance 89.9, color temperature 3,200°K) approx. 5.5 lux (lens aperture f/1.4, gain 21 dB) 63 dB typical NTSC; 61 dB typical PAL second wheel and motorisation optional Neutral density: clear, 1/4,
Horizontal resolution Vertical resolution Registration Splitter Sensitivity Minimum light level Signal/noise ratio Filter wheels Wheel 1:	85% typ. at 5 MHz 1707 WIDE LS and WIDE FX: 75% typ. at 5 MHz 1707 TX and FX: 65 % typ. at 5 MHz 950 TV lines in 16/9 750 TV lines in 4/3 Standard or extended (PAL: 530 lines in extended mode) Zones 1, 2, 3: 0.05% (excluding lens errors) RGB splitter aperture f/1.4, with infra-red and anti-aliasing filters 2,000 lux at f/8 (reflectance 89.9, color temperature 3,200°K) approx. 5.5 lux (lens aperture f/1.4, gain 21 dB) 63 dB typical NTSC; 61 dB typical PAL second wheel and motorisation optional Neutral density: clear, 1/4, 1/16, 1/64, cap

star, dense fog, light fog

+18, +21 dB

-3, 0, +3, +6, +9, +12, +15,

Shutter	1/60, 1/120, 1/250, 1/500, 1/1000 s
Clear scan	60.3 Hz to 200 Hz in NTSC; 50.3 Hz to 200 Hz in PAI
Weight	approx. 5.5 kg with 1.5"
.	viewfinder, excluding lens
Camera head connected	ors:
Cameraman headset	Tuchel or XLR5, talkback
	headset connector
vf out	Chuomusen, 20 pin,
	composite video, Y or YCrCb
monitor out	BNC, 1 Vpp, viewfinder video
	(Y or composite) or
	composite video
mic in	XLR3 female (with +48 V
	phantom powering)
ret. 1 out	BNC, VBS 1 Vpp
prompter/ret. 2 out	BNC, VBS 1 Vpp
DC out	Lemo, 30-50 V DC,
	70 W utility power output for
	optional external DC/DC
	converter
lens	12 pin connector for
	portable lens
Operating temperature	-20°C to +45° C



127 mm

Microcam

Multicore cable	CCZA type cable, 26-pin
Microcam/camera body	
distance	0 to 100m
Dimensions	138 x 155 x 105 mm
	(excluding grip and viewfinder)
Fixing	2 3/8" bolts for tripod mount
	4 M4 screws and 3 M3 screws
	for "mini-wedge"
Weight	2.5 kg with viewfinder,
	excluding lens
Microcam connectors:	
camera body	26-pin
video out	BNC, 1 Vp-p, 75 Ω
	(viewfinder video)
mic in	XLR 3 (with 12V phantom
	powering)
viewfinder	Chuomusen 21-pin (B/W,
	component or RGB,
	composite video, video return)
lens	Hirose 12-pin

TECHNICAL SPECIFICATIONS

Sportcam Weight 10 kg without viewfinder Sportcam connectors: Hirose 12-pin vf in (for camera head connection) vf out for 17 cm (7") viewfinder connection ext on air 2-pin Hirose 10-pin (electronic lens in converter side) 24 pin on Sportcam front lens panel, for lens with Thomson mount (others on request) 6-pin lighting supply script light for script support 4-pin power supply for power in Sportcam **Optic Extender** Max. Hybrid Optical Fiber distances 6500 ft - 2000 m in Sportcam configuration (heavy lens and 17 cm viewfinder) 10000 ft - 3000 m in portable configuration (light lens and 1.5" viewfinder) Max. Triax distances CCU – CCU Box : 25 m Cam Box - Camera head: 500 ft - 150 m with ext. Ø 9 mm cable 1000 ft - 300 m with ext. Ø 13 mm cable CCU Box Dimensions 330 x 230 x 110 mm 100-120V / 220-240V AC, Mains supply 50 or 60Hz **CCU Box connectors:** Lemo 75 Ω , Lemo 50 Ω , triax Lemo 4E, Fischer, King Hybrid cable Lemo Hybrid connector **Camera Box** Dimensions 330 x 230 x 110 mm

100-120V / 220-240V AC, 50 or 60Hz

Camera box connectors: triax

Hybrid cable

Mains supply

Lemo 75 Ω , Lemo 50 Ω , Lemo 4E, Fischer, King Lemo Hybrid connector

CCU DT 500

Max. triax distances

800 ft - 250m with ext. Ø 9 mm cable (cable attenuation 7.8 dB at 60 MHz) 1600 ft - 500m with ext. Ø 13 mm cable (cable attenuation 3.9 dB at 60 MHz)

Max. control panel-CCU	
distance	30 m, powered from the CCU
	500 m without power (RS422
	SMPTE protocol)
Mains supply	90-135 / 180-270 V AC,
	47-63 Hz
Consumption	100 W max.
Weight	6.8 kg approx.
Dimensions	
(W x H x D mm)	approx. 225 x 135 x 385
· · · · ·	(3U high, half 19" rack)
Operating temperature	0°C to +40°C
CCU connectors:	
Remote	control panel-OCP link
	(SMPTF), 9 pin sub-D
Intercom	4-wire or BTS/Clearcom
	talkback 9 pin sub-D
	$-6 \text{ to } \pm 12 \text{ dB}$
Tally	$o_{1} = 12 \text{ dB}$
rany	9 nin sub-D
Mic output	analog mic output VI P3
	6 to 12 dP
Conlock ovt rof	-o to +12 dB
Geniock ext. rei.	
Video vot 1	BNC I Vpp
video ret. I	analog video return with
	loop-through, BNC, 1 Vpp,
	$(Max. distance 1300\pi-400 m)$
	with ext. Ø 13 mm cable)
Prompter/Video ret. 2	analog video return:
	teleprompter or video 2,
	with loop-through, BNC,
	1 Vpp (optional)
	(max. distance 150 m
	with 13 mm cable)
Serial digital	
output 1-2-3	3 digital outputs, 270 Mb/s
	serial 4:2:2, 10 bits, BNC
composite VBS 1-2	2 analog composite outputs,
	NTSC for 525/59.94/2/1
	camera, or PAL - SECAM
	composite for 625/50/2/1;
	BNC, 1 Vpp.
Camera	Lemo 75 $\Omega,$ Lemo 50 $\Omega,$ Lemo
	4E, Fischer, King triax
	connector