

LEXY 4K

— CAMERA SYSTEM —

**HELLO,
I'M LEXY.**



Introducing LEXY, LMP Lux Media Plan takes the step into the world of Ultra High Definition and offers a flexible camera system for broadcast & live production.

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LEXYs 1/2.3" 4K CMOS sensor enables live and future-proof 4K up to 60fps. The built in 12x optical zoom-lens ensures full resolution within the small and versatile form factor of LEXY.

Live outputs directly off the camera body make LEXY the perfect companion in terms of flexibility and exceptional camera angles in live production and broadcasting.



Image Sensor	1/2.3" CMOS (<i>Exmor R</i>) 3840x2160 total pixel
Readout	3840x2160 @ 25/30 frames/s 1920x1080 @ 50/60 frames/s
Frame Rates	25 / 30 / 60 (<i>future upgrade</i>) 25 / 30 / 50 / 60
4K / UHD 2160p HD 1080p/i/720p	

It's a system, actually.

LEXY works both as a standalone camera head and as a camera-head/breakout-box combination, adding multiple outputs, genlock and long-distance-signal transmission over coax-press or SMPTE Fiber cable. Camera control is provided through a hardware control panel or a Windows GUI.

physical

Dimensions	LEXY HEAD: 140x70x75 mm LEXY CONNECT: 140x120x30
Weight	LEXY HEAD: 910g LEXY CONNECT: 420g
Lens	12x Optical Zoom 3,9 - 46,8mm F 1.8 auto / manual focus 58x0,75mm thread
Power	6-12V DC / max 4W

technical

Format	16 : 9
Image direction	horizontal/vertical flip
Output HEAD	2x HDSDI up to 3Gbit/s, BNC or Lemo 100 Dual Link 4K UHD Dual/Single Link 1080p 50/60 Single Link 1080i 50/60 Single Link 720p 50/60 optional: HDMI 1.4 4K / 30 optional: Dual Fiber Link
Output CONNECT	2x HDSDI loop from head 1x HDMI 1.4 4K 1x HDSDI 1080i from 4K optional: single fiber output
Cable length	up to 30m with dual coax cable (4mm Belden 1865A)
data format between Head & CONNECT	dual link 4K SMPTE 425-3 with power & RS232 data
Genlock	tri-level sync / black burst

control-wise

White Balance	auto or manual 4 presets
Gamma	auto or manual
Black Balance	auto or manual
Saturation	0 to 120 %, nominal 75%
Gain	0dB, +3dB, +6dB, +12dB
Color Matrix	4 presets / 12 axis adjustable
Detail	16 steps
Shutter	1/1s to 1/10.000s in 22 steps
Test signals	color bar
Iris control	auto or manual
Focus control	auto, one-push or manual
Serial control	duplex / simplex RS 232/ Visca protocol
Remote Control	hardware remote panel Windows GUI
Presets	4 presets of main controls

LEXY ELEMENTS

Additional *Elements* are available to customize your *LEXY* camera.

Adding *CONNECT* allows *LEXY* to directly transmit the 4K live stream over SMTPE fiber and offers additional outputs at a fare distance. Adding the well-known *CONTROL* offers direct camera control on a hardware panel and adding a sun shade should explain on it's own. Discover all of the Elements on www.luxmediaplan.de or let us know if you have special requirements.

CONNECT

Optional break-out box offering additional HDSI, HDMI and fiber outputs. A dual coax cable, including video, power and control data, connects the camera head to *LEXY CONNECT*.

CONTROL

Hardware control panel offering direct access to most of the usually necessary camera control parameters such as zoom, focus, iris, shutter speed, gain, white balance, gamma, output format and many others.

WIDE

LEXYs built-in 12x optical zoom lens offers at full 4K resolution a wide viewing angel from 6,4° (tele end) to 70° (wide end).

FIBER

Fiber optics extension transporting power, camera-data and control data over standard SMTPE Fiber. Using *LEXY FIBER*, the cable length can be increased up to 1000m between *LEXY HEAD* and *LEXY CONNECT*. In addition to the power & data streams, an HDSI return channel and a 12V/30W power output for monitoring is provided at the camera side box (*FIBER* Transmitter). The system can be ordered with common fiber connectors like Lemo, Fischer or OSI/Rosenberger.

SHADE

Classic sunshade to screw atop of *LEXYs* built-in lens.

FILTER

Wide range of different filters to screw atop of *LEXYs* built-in 12x optical zoom lens.

LMP – Lux Media Plan – is a leading supplier of innovative serial digital solutions. Since 1986, the German-based company has been developing standardized and custom-made applications for notable clients in Europe, the United States, Asia and the Middle East.

Over 30 years of experience in motion picture production have rendered LMP a most insightful and versatile partner for sophisticated TV, video and audio productions. LMP's high-quality solutions meet the individual requirements of a broad spectrum of clients including broadcasting corporations, film and TV productions, R&D departments of universities and companies active in medicine, aviation or security. The range of products comprises customized devices as well as proprietary developments and single items manufactured to specification.

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