LMP
Lux Media Plan

HD1200

True HD Camera System

1080i@50/59,94 - 1080p/720p@23,98/24/25/29,96/30/59,94/60 - 625i/525i 50/60

brand new **2/3" CMOS** Thomson Xensium Sensor
enhanced **realtime de-Bayering**
dynamic range up to 60 dB
RAW Data @ **12bit /10bit HDSDI WeissCam Format**
single coax camera cable
3D support with **internal multiplexer**
remote lens control

www.hd1200.de . +49.611.531779.0

HD1200

True HD Camera System

The HD 1200 is one of the smallest „true“ HD remote camera systems for sports, shows, concerts and many other imaging applications.
It provides impressive performance and robust features in a small housing, offering unbelievable possibilities for spectacular views.

The 2/3 inch, 2.1 Megapixel High End CMOS Sensor safeguards spectacular video quality in progressive resolution up to 1080p/60 fps.Dual- and single-link HDSDI, analog progressive RGB or interlaced Component, down-converted SDI, Composite and HDMI are directly and simultaneously provided by the compact Camera Control Unit, which also provides RAW Data in 12 to 10bit compressed HDSDI WeissCam format at the same time.

Excellent FPN correction is guaranteed through DDS (Digital Double Sampling up to 30fps) and digital CDS for 50/60 fps. LMPs professional Remote Control Panel offers full studio control over long distances.
The HDSDI Sync input ensures accurate timing and in cooperation with the internal multiplexer, full 3D control is available including fast switch and desolve.

technical.

Image Sensor	Thomson Xensium Color 2/3“ C-MOS 2,1 Mega-Pixel 2048x1148 total pixel , 16 : 9
Resolution	1968 x 1108 active pixel
Formats	16 : 9 / 4 : 3
Readout	progressive scan 1920 x 1080, @ 60 frames/s
Image direction	horizontal/vertical flip without latency
Dynamic range	linear mode: 60 dB high dynamic mode: up to 120 dB
Output Signals	HDSDI interlaced (2x BNC) HDSDI Dual Link progressive, SDI, CVBS, analog RGB/HV progressive or Y/B-Y/R-Y interlaced HDSDI RAW Data in in 12/10 bit WeissCam format HDMI (1x Mini-HDMI)
HDMI Out	camera picture in output format, or multiplexed line-by-line in 3D mode
Sensitivity	F 11/2000 lx at nominal gain
S/N Ratio	56 dB (Y) at 0dB gain
Gain Control	0dB, +3dB, +6dB, +12dB
Cable length	up to 40m with coax Cable (4mm Belden 1865A)
data format *between Head & CCU*	LMP Multiplex containing Power 12V DC / 2,7Gbit Sensor Data / bi-directional RS232
Genlock	analog Tri-level HDSDI with 3D function

LMP
Lux Media Plan

features and controls.

White Balance	automatic or manual YRGB preset 3200°/5600°/7200°
Gamma	manual Y-R-G-B
Black Balance	manual Y-R-G-B
Saturation	0 to 120 % nominal 75%
Gain	0dB(default), +3dB, +6dB, +12dB
Color Matrix	4 presets /2 user defined
Detail	separate horizontal and vertical detail
Shutter	5 steps up to 1/1000 auto shutter with adjustable exposure
Test signals	8 HD test patterns
SD Format	according HD framerate
Analog HD Out	RGB/HV progressive or YUV interlaced
Analog Genlock Range	Tri-level sync +/- 2 lines in steps of 1 pixel
Digital Genlock	HDSDI fixed pixel by pixel
Iris control	speed and direction
Focus control	speed and direction
Serial control	duplex / simplex RS 485 duplex / simplex RS 232 USB 2.0 TTL 1 MBaud
Remote Control	Hardware Remote Panel Windows based GUI
Lens Control	direct drive by serial control
System calibration	automatic black/shading/ FPN correction
3D Controls	Mix- /multiplexing between camera and HDSDI genlock,
Presets	4 direct presets of main controls

physical.

Dimensions	Camera Head: 38x42x42 mm CCU: 140x120x30 mm
Weight	Camera Head: 140g CCU: 420g Light version: 310g
Lens Mount	C-Mount, adjustable Back-Focus adaptors for B4-Mount, Nikon, Arri PL
Power	8-15V DC, 15Watt

www.hd1200.de . +49.611.531779.0

LMP

Lux Media Plan

Platter Straße 168a
D-65193 Wiesbaden
Germany

www.luxmediaplan.de
www.hd1200.de

info@luxmediaplan.de

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.

With its latest development, the "World's Smallest True HD Camera", LMP has managed to enclose state-of-the-art video quality in an ultra-compact housing perfect for action animated live programs and high-quality movie applications.

HD1200
True HD Camera System

www.hd1200.de . +49.611.531779.0