

HD 1200 // LMP

True HD Video Remote Camera System

Lux Media Plan

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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- or single link HDSDI, analog progressive RGB or interlaced Component, down-converted SDI and Composite 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).

The professional Remote Control Panel offers full studio control over long distances and for 3D applications a HDSDI Sync input ensures accurate timing together with internal multiplexer for the 2 cameras.



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 120 dB

RAW Data @ 12bit HDSDI

single coax camera cable

3D support with internal multiplexer

remote lens control

LMP Lux Media Plan • www.LuxMediaPlan.de •

Available from
oceana
778.785.6291

specifications.

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
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 progres- sive or Y/B-Y/R-Y interlaced HDSDI RAW Data in in 12/10 bit WeissCam format
Sensitivity	F 11/2000 lx at nominal gain
S/N Ratio	60 dB (Y) at 0dB gain
Gain Control	0dB, +3dB, +6dB, +12dB
Lens Mount	C-Mount, adjustable Back-Focus adaptors for B4, Nikon, Arri PL
Cable length	up to 50m with coax Cable (4mm Belden 1865A)
data format <small>between Head & CCU</small>	LMP Multiplex containing Power 12V DC / 2,7Gbit Sensor Data / bi-directional RS232
Power	8-15V DC, 14Watt
Dimensions	Camera Head: 38x42x42 mm CCU: 140x120x30 mm
Weight	Camera Head: 140g CCU: 420g
HDMI Out	camera picture in output format, or multiplexed line-by-line in 3D mode
Genlock	analog Tri-level HDSDI with 3D function

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 150 %
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
Genlock adjust	+/- 2 lines in steps of 1 pixel
Iris control	speed and direction
Focus control	speed and direction
Serial control	duplex / simplex RS 485 duplex / simplex RS 232 USB 2.0
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

