

## SprintCam V3 HD

### New and enhanced functionalities

The fully integrated ultra slow-motion system for **Sports Broadcasting, Commercials & Films Production, and Documentaries**

The added-value of **SprintCam V3 HD** :

- ▶ from 150 to 2,000 fps in full HD native resolution
- ▶ instant replay
- ▶ full broadcast integration
- ▶ exceptional image quality
- ▶ outstanding light sensitivity

#### CAMERA

- Photron latest generation HD camera
- B4, PL, C, F Mounts
- Up to 2,000 FPS
- SMPTE Fiber Optic Connection
- 2K x 2K Single CMOS Sensor
- Up to 1,000m between camera and CCU

#### CCU

- HD-SDI Layout
- Size : 2U
- Only One Channel Necessary on Disk Recorder
- Up to 100m between CCU and OCP and up to 1,000m between CCU and Slow Motion Remote
- Bi-level, Tri-level Genlock

#### OCP

- RGB Master Gains
- RGB Master Pedestals
- Knee Slope/ Point Control
- Gamma and Knee Control
- Color Matrix Setting
- Chroma, Saturation Control
- Iris Control
- Frame Rate/Shutter Control
- Setup settings (Format, Genlock, etc.)
- 10 user pre-sets

#### SLOW MOTION REMOTE

- User-Friendly Slow Motion Remote
- Easy Sequence Selection
- Cueing System
- Instant Replay
- Variable replay speed

### Recording Time (Full HD)

	16GB	32GB (optional)
500 fps	10.34 sec	20.68 sec
1,000 fps	5.17 sec	10.34 sec

### Camera (Photron HD camera)

#### General

Sensor	12-bit CMOS with 10µm pixel
Picture elements	2048 x 2048
Effective picture elements	1920 x 1080
Shutter	Global electronic shutter down to 1/50,000 sec
Lens mount	B4 Mount, PL Mount, C Mount, Nikon F Mount
Memory	16GB standard -5.17 sec @ 1,000 fps, 32 GB optional
Recording Frame Rate	Up to 2,000 fps (defined by user)
8-inch Color LCD Viewfinder	Viewfinder Panasonic BT-LH80WE, or any HD-SDI viewfinder
Operation temperature	0-40 degrees C (32-104 F)
Mounting	3 x 3/8 - 16 UNC
Dimensions (W x H x L)	205 x 350 x 480 mm
Weight	15,9 Kg (35.1 lb)

#### Viewfinder output

Gain	0, +3dB, +6dB
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#### Input/Output Connectors

Viewfinder connector	BNC type, 1.0Vp-p 75 Ω
DC (12V/1.5A)	4 and 5-pin Hirose
Lens connector	12-pin Hirose
Hybrid fiber connector	LEMO EDW.3K.93C.TLC / SMPTE 304 Tajimi / Fischer / Rosenberger connector (optional)

#### Transmission

Transmission cable	SMPTE 311 Hybrid Cable up to 1,000m
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### Camera Control Unit (CCU)

#### General

Dimensions (W x H x D)	438 (19inch rack) x 85 (2U) x 451 mm
Weight	8 Kg (17.64 lb)
Operation temperature	0-40 degrees C (32-104 F)
Operation humidity	Max 80 % (non-condensing)

#### Connectors

SDI-out	BNC 1ch 1.0Vp-p 75 Ω
Control data	RS-422 DB9 x 2 / RJ45
Genlock	SD Analog Black Burst (Bi-Level) or HD Tri-Level Sync

#### Video Output Format

Video Output Format	HD-SDI 1080i 50 / 59.98 / 60
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#### Fiber Connectors

Fiber connector types	LEMO FMW.3K93C. SMPTE 304 Tajimi / Fischer / Rosenberger Connector (optional)
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#### Power

Power requirements	AC 80V to 240V, 47 to 63 Hz
Power connector	IEC type, 3-pin male
Power consumption	280VA max. with camera

### Slow Motion Control

Controls	Jog, Shuttle, Buttons
Power Connector	XLR 4-pin 12 Vdc
Control Data	RS-422 DB9 / Up to 1,000m between CCU and slow motion remote
Dimensions (W x H x L)	164 x 83 x 255 mm
Weight	1.5 kg (3.3 lb)

### Operational Control Panel (OCP)

User Interface	Graphical Screen, Rotary Knobs
Power connector	XLR 4-pin 12 Vdc
Control Data	RJ45 / Up to 100m between CCU and OCP
Dimensions (W x H x L)	99 x 116 x 355 (323) mm
Weight	1.8 kg (4 lb)

### SprintCam Camera System

