



The Uplifting and Modular X10, Driven by Emotion.

The Unique Continuous Record Super Slow Motion Solution that delivers groundbreaking 300 FPS in full HD.

300 FPS Continuous Non-stop Recording in Full HD

10 Times Continuous Slow Motion Recording in 720 and 1080

Up to 300 FPS real-time continuous super slow motion in 1080i60

Up to 600 FPS real-time continuous super slow motion in 720p60

Up to 38 Hours Non-Stop Recording With Full LSM Workflow

Combined with the EVS XT3 live production server
As simple as the EVS LSM typical workflow



To combine with **XT-3** from **EVS**



CAMERA

Vision Research latest generation HD camera

B4, PL, F Mounts

Up to 300 FPS real-time continuous super slow motion in 1080i60

Up to 600 FPS real-time continuous super slow motion in 720p60

SMPTE Fiber Optic Connection

Full HD Single CMOS Sensor

Red and Green Tally

Built-in Intercom

2 microphone inputs

Video returns



OCP

Joystick Control (Iris, Black, Preview)

RGB & Master Gains

RGB & Master Pedestals

Auto White/ Black Balance

Gamma Control, Black Gamma

Standard Color Matrix

Saturation

Flare compensation

Detail enhancement

Frame Rate/Shutter Control

Setup settings (Format, Genlock, etc.)

User presets

Remote updates



CCU

HD-SDI Live Signal

Size: 2U

10x output to the EVS XT3 live production server, with UMotion

Four return video inputs

Ethernet connection between CCU and OCP

Bi-level, tri-level Genlock

Intercom

Up to 1,000m between camera and CCU

Remote updates

	▼ FRAME RATE 3X	▼ FRAME RATE 6X	▼ FRAME RATE 10X
1080i50	75 FPS	150 FPS	250 FPS
1080i59.94	89.91 FPS	179.82 FPS	299.7 FPS
1080i60	90 FPS	180 FPS	300 FPS
720p50	150 FPS	300 FPS	500 FPS
720p59.94	179.82 FPS	359.64 FPS	599.4 FPS
720p60	180 FPS	360 FPS	600 FPS

CAMERA

▼ GENERAL

Sensor	12-bit CMOS with 10µm pixel
Effective picture elements	1920 x 1080
Lens mount	B4 Mount, PL Mount, Nikon F Mount
Recording Frame Rate	300fps real-time continuous super slow motion in 1080i60, or 600fps in 720p60
8-inch Color Viewfinder	Sony OLED, or any HD-SDI viewfinder
Operation temperature	0-40 degrees C (32-104 F)
Mounting	V-Wedge Quicklock Mount
Dimensions (W x H x L)	180 x 325 x 370 mm
Weight	9 Kg (19.84 lb)

▼ INPUT/OUTPUT CONNECTORS

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

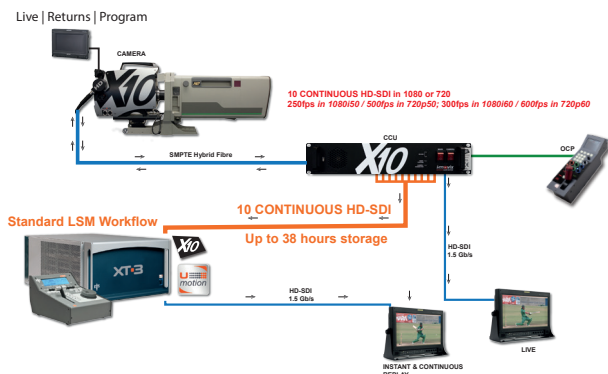
▼ TRANSMISSION

Transmission cable	SMPTE 311 Hybrid Cable up to 1,000m
--------------------	-------------------------------------



Shed boxes available to use with ordinary single mode fiber (extended distance between CCU and camera)

X10 SSM CAMERA SYSTEM WORKFLOW



CAMERA CONTROL UNIT (CCU)

▼ GENERAL

Dimensions (W x H x D)	438 (19inch rack) x 88 (2U) x 465 mm
Weight	7 Kg (15.43 lb)
Operation temperature	0-40 degrees C (32-104 F)
Operation humidity	Max 80 % (non-condensing)

▼ CONNECTORS

SDI-in	4 x BNC 1ch 1.0Vp-p 75 Ω
SDI-out	6 x BNC 1ch 1.0Vp-p 75 Ω
X10 Interface to XT3	10 BNC
AES out	1 BNC
Control data	RJ45 x 3
Tally (R, G)	Input Relay Contact
Genlock	SD Analog Black Burst (Bi-Level) or HD Tri-Level Sync
Hybrid Fiber Connection	LEMO FMW.3k93C. SMPTE 304 Tajimi / Fischer / Rosenberger Connector (optional)

▼ VIDEO OUTPUT & INPUT FORMATS

Video Output & Input Formats	HD-SDI 1080i 50 / 59.98 / 60 HD-SDI 720p 50 / 59.98 / 60
------------------------------	---

▼ INTERCOM - AUDIO

Line Level	+4dBu Nominal
Intercom ENG/PROD	4-wire System (Balanced)
Intercom PGM	Balanced Input
Microphone output	2 x 3-pin XLR
Head set connector	5-pin XLR
Volume control	ENG, PROD, PGM

▼ POWER

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

OPERATIONAL CONTROL PANEL (OCP)

User interface	Graphical TouchScreen, 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	2 kg (4.41 lb)

INTERCOM - AUDIO

Head set connector	5-pin XLR
Microphone input	2 x 3-pin XLR
Volume control	ENG, PROD, PGM