



The Uplifting and Modular X10, Driven by Emotion.

The First True Wireless Ultra Motion Camera
with Live & Replay Feed in HD

For Vision Research® Phantom Flex4K

B4, PL, F Mounts
Up to 1975 FPS Ultra Slow Motion in 1080i /1080p
Up to 2950 FPS replay in 720p



*Unique Integration with
Industry-Leading RF modules*



CAMERA

Latest generation 4K camera
B4, PL, F Mounts
Up to 2,000 FPS in 1080i
SMPTE Fiber Optic Connection
4K Single CMOS Sensor
Red and Green Tally



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
Ethernet connection
between CCU and OCP
Bi-level, tri-level Genlock
Up to 1,000m between
camera and CCU
Remote updates



SLOW MOTION REMOTE

User-Friendly Slow Motion Remote
Easy Sequence Selection
Auto-clip to EVS server
Instant Replay
Ramping of Speed
Within a Replay
Cueing System
Multi-block Management
Compatible with EVS
Hypermotion Mode

LIVE & REPLAY MODE

Internal memory: 64 GB (two times more than the previous generation)

	▼ TYPICAL CASE (500 FPS)	▼ MAX FPS
1280x720	88.2s	10s at 2,950 fps
1920x1080	39.2s	9.8s at 1,975 fps

RF CONFIGURATION

▼ CAMERA SIDE

Flex 4K	85 W (Short peak power during power ON (150W))
RF module	15 W
Monocular Viewfinder	5 W
I-MOVIX data converter	4 W
Lens (ENG)	10 W

▼ OPERATIONAL MODES

Truck control	Everything is controlled from OB Van
Cameraman control	Cameraman can control everything
ENG mode	Use camera as a standalone unit with Cinemag (optional)

▼ TRUCK / OB VAN SIDE

Camera box
CCU
JOG
OCF
RF module receiver

RF MODULES

▼ GENERAL

Control data	Simplex 9600 bauds RS232 interface
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▼ MODULES

Vistlink Gigawave Cltip-On 4	Video + Data
Vistlink Link L1700	Video + data
Cobham	Video

BATTERIES

▼ GOLD MOUNT

Anton Bauer Dionic HC	91 Wh
Anton Bauer Dionic 90	93 Wh
Anton Bauer HyTRON 140	140 Wh
Anton Bauer HyTRON 100	100 Wh

▼ VSHAPE MOUNT

BlueShape 270 HD	270 Wh
BlueShape 190 HD	190 Wh
BlueShape 100 HD	100 Wh

CAMERA

▼ GENERAL

PHANTOM FLEX 4K

Sensor	CMOS Sensor with 6.75µm pixel
Effective picture elements	4096 x 2304
Lens mount	B4 Mount, PL Mount, Nikon F Mount
Operation temperature	-20°C – +50°C
Dimensions (W x H x L)	144 x 198 x 291 mm
Weight	6.3 Kg (14lbs)
Monocular Viewfinder (optional)	Panasonic AJ-CVF100G

CAMERA BOX

Dimensions (W x H x L)	506 x 195 x 95 mm
Weight	2.8 Kg
Temperature	-20°C – +45°C
Mounting	Native mounting holes

▼ INPUT/OUTPUT CONNECTORS

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 1,000 m
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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
Control data	RJ45 x 2
Tally (R, G)	Dry-contact inputs
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 — HD-SDI 1080i 50 / 59 / 60 HD-SDI 720p 50 / 59 / 60
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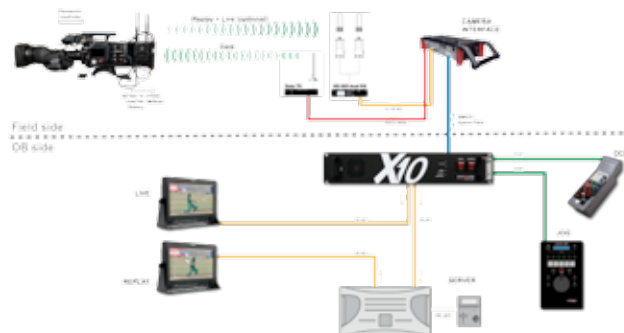
OPERATIONAL CONTROL PANEL (OCP)

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)

SLOW MOTION CONTROL

Controls	Jog, Shuttle, Buttons
Power Connector	XLR 4-pin 12 Vdc
Control Data	RJ45 / Up to 100m between CCU and slow motion remote
Dimensions (W x H x L)	164 x 80 x 255 mm
Weight	1.5 kg (3.3 lb)

X10 UHD RF CAMERA SYSTEM WORKFLOW



Specifications are subject to change without notice.