

Specifications

Camera (ME-BXC-CM100)

Image Pickup Device	1/1.1" 8.8 million-pixel CMOS image sensor with Global shutter
Method	Single image sensor with Bayer color configuration
Lens Mount	Micro four thirds system
Output Video Format	4096x2160/24p, 23.98p (quad 1.5G-SDI) 3840x2160/60p, 59.94p, 50p (quad 3G-SDI) 3840x2160/24p, 23.98p (quad 1.5G-SDI) 1920x1080/240p, 239.8p, 200p (quad 3G-SDI) 1920x1080/60p, 59.94p, 50p (3G-SDI) 1920x1080/24p, 23.98p (1.5G-SDI) 1920x1080/59.94i, 50i (1.5G-SDI)
Genlock Reference	Tri-level Sync or Black Burst
Operating Temperature	-5°C to 45°C (23°F to 113°F)
Weight	690 g
Dimensions	75mm x 75mm x 127mm (excluding protrusions)
Source Voltage	DC 13.8V (DC 11.8V to 16.8V)
Power Consumption	10W (excluding lens/controller power)

Camera Controller (ME-BXC-RC100)

Communication Interface	RS-422 (10 pin Communication Cable)	
Operating Temperature	0°C to 40°C (32°F to 104°F)	
Weight	850 g	
Dimensions	92mm x 226mm x 36mm (excluding protrusions)	
Source Voltage	DC 13.8V (DC 11.8V to 16.8V)	The power is supplied through communication cable.
Power Consumption	1W	

Fiber Optic Transmission System (ME-BXC-CU100, ME-BXC-BU100)

	Cam-Site Unit	Base Unit
Cable	SMPTE 311M Camera Cable with SMPTE 304 Connectors	
Cable Length	Max. 500m (Cam-site power is supplied from Base unit.) Max. 2000m (Cam-site power is supplied locally.)	
Operating Temperature	-5°C to 45°C (23°F to 113°F)	0°C to 40°C (32°F to 104°F)
Weight	1.26 kg	1.60 kg
Dimensions	150mm x 15mm x 60mm	200mm x 200mm x 42mm
Source Voltage	DC 13.8V (DC 12V to 17V) (when the power is supplied locally)	DC 13.8V (DC 12V to 17V)
Power Consumption	14W (excluding camera power)	Max. 60W (including cam-site unit power & cable power loss)

Specifications would be changed without notice.

High-Speed BOX Camera for Sports

QDCAM



Global Shutter

Exposure Synchronization

Wide Angle & Closeup

HD/239.8fps

HD/200fps

UHD/59.94fps

UHD/50fps

DCI4K/24fps



Features

High-speed shooting: 1920x1080/239.8p, 200p

Continuous 4X high-speed video for smooth slow-motion replay or accurate sport analysis. Quad link of SDI can be connected to major slow-motion rec/player such as EVS, Avid, etc..

Global shutter CMOS image sensor

No rolling shutter distortion.
Suitable for shooting moving objects.



Rolling Shutter



Global Shutter

Micro four thirds lens mount

High picture quality lenses with various focal lengths can be used. Also, remote controls of Iris, Focus and Zoom are available.

High resolution shooting: 4096x2160/24p, 3840x2160/60p, 50p

Use for 4K cinema production or UHD video production

Optical transmission system using SMPTE opt-camera cable

This allows to use for sport broadcasting in a stadium or an arena.

A new synchronization system

This allows to synchronize exposure timing for multiple cameras. Suitable for multi-angle view system or sport judgement system. (Patent Pending)

Fan-less quiet camera

Usages

Slow-Motion Replay

Quad link of 3G-SDI can interface 4x high speed of 1080p signal to slow-motion recorder-player.



Multi-Angle View

Affordable price of camera & lens allows to install many cameras for multi-angle shooting.

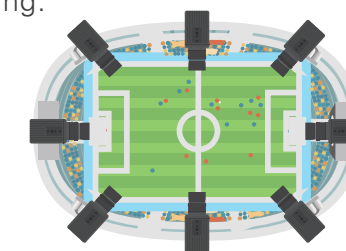


Image Analysis for Sport Judgement System

High speed & high resolution image capturing and exposure synchronization system allow accurate calculations for multi-camera image processing.



Wide Angle & Closeup Shot for Sports Broadcast

To use wide angle lens realizes exciting picture because the camera can be put near the player.



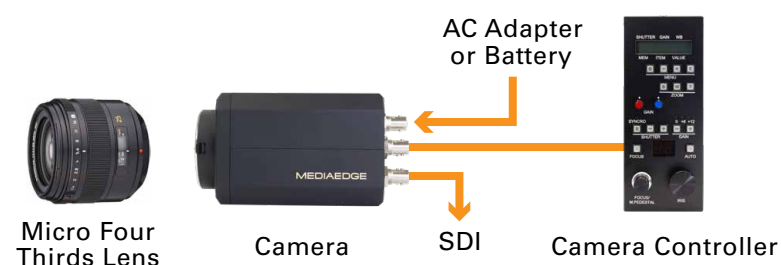
Video Capture Tool for Sports Coaching

High speed & high resolution image capturing and exposure synchronization system allow accurate calculations for sports analysis. Also, the player's performance can be checked through slow-motion replay and team coach can give the players his/her advises.



System 1

Simple system using metallic cables



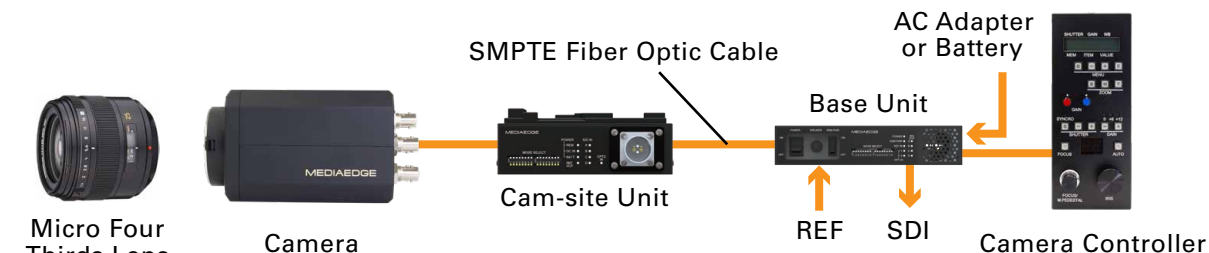
Camera Controller

- Communication cable: RS-422 communication, DC 12V power
- Control functions for video engineer: Iris, Pedestal, Gain, Shutter Speed, White Balance, Detail, Gamma, etc.
- Lens control: Focus, Zoom*

*Zoom function is available only for power zoom lens.

System 2

Long distance transmission system for stadium or arena operation



Fiber Optic Camera Cable Transmission System

- Max. 500m cable length when cam-site unit power is supplied from base unit.
- Max. 2000m cable length when cam-site unit power is supplied locally.
- A new synchronization system for matching the exposure timing of multiple cameras
- Transmission signals: camera video, camera control, genlock, tally and RS-232C for pan/tilt head control