



Osprey RealTime Digital System Specifications

CAMERA

Sensor type	CMOS
Sensor resolution	640 x 480 active pixels
Number of pixels	307,200
Sensor maximum frame rate at full resolution	250 fps
Sensor maximum frame rate at partial scan	TBD
Camera maximum frame rate at full resolution	245 fps
Camera frame rates	1-245 Hz
Infinitely variable frame rate	Yes
Shutter type	Global Shutter
Zoom lens available	No
Zoom lens mount type	Not Applicable
Zoom lens (35 mm SLR)	Not Applicable
C-mount lens available	Yes, with CS-to-C-mount adapter
C-mount lens offerings	4.5mm
CS-mount lens available	Yes
CS-mount lens offerings	6mm
Camera body dimensions	80mm (H), 51mm (W), 50mm (D)
Camera weight, including ringlight	13.4 ounces (0.380 Kg)
Camera housing	Machined aluminum
Number of camera mount points	5
Multiple camera types on one system	Yes
Camera software and firmware upgradeable	Yes
Upgrade methods	FTP, email, or CD
Camera cabling	Custom power over Ethernet
Camera connectors	Proprietary PoE
Camera power supply	via custom Hub
Grayscale depth	10 bit
On-camera masking	No
In-camera dynamic large blob eliminator	No
Software masking	Yes
Auto-masking	Yes
Insight focusing	No
Camera output modes	Consistent on-camera grayscale edge detection for every marker at all frame rates
Full frame preview output	No
Back focus mode	No

RINGLIGHT / STROBE

Ringlight strobe type	Near Infrared (750nm)
Ringlight cover types	Clear
Strobe electronics	Integrated, software reprogrammable
Number of LED's per ringlight	53
Adjustable illumination	Yes

SYSTEM CONNECTIVITY / ACCURACY

Plug and Play compatability	Yes
System connectivity	Gigabit Ethernet
Maximum number of cameras in system	8
Custom control interface	Yes
Communication status indicators	Yes
Integrated camera display panel	No
Camera number indicator	No
Master camera indicator	No
IP addressable	Yes
IP reconfigurable	Yes
Genlock to external video source	Yes
Synchronize to external signal	Yes
Aditonal sync box needed	No
External sync output	Yes
Additional external sync box needed	No
External A/D sync + clock	Yes
External VGA	No
Camera diagnostic interface	No

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