

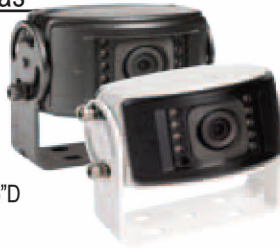
Voyager[®]

Cameras

Side Vision and Rear Vision Cameras

Rear Color CCD Cameras

- Waterproof (IPX7)
- 12 Volt DC
- Viewing Angle: 150°
- IR LED low light enhancement
- Built-in microphone
- Normal/Mirror image switch
- Electronic Iris
- Dimensions: 2.7"W x 1.7"H x .5"D
- Available housing colors:
VCCS150 – White Housing
VCCS150B – Black Housing



Rear B&W CCD Cameras

- Waterproof
- 12 Volt DC
- Viewing Angle: 150°
- IR LED low light enhancement
- Built-in microphone
- Normal/Mirror image switch
- Electronic Iris
- Dimensions: 2.7"W x 1.62"H x .25"D
- VBCS150 – White Housing
VBCS150B – Black Housing



Rear Color Tilt Camera

- 92° viewing angle
- LED low light performance
- Built-in microphone
- PAL/NTSC compatible
- 2-positions, moves 45° up or down
- Audio muted when tilting
- Auto tilt down when reverse trigger is activated
- Rugged waterproof die cast aluminum housing
- Overall Dimensions: 4-1/4" W x 3" H x 3-1/4" D
VCCT130



Rear Color CMOS Camera

- Waterproof (IPX7)
- 12 Volt DC
- Viewing Angle: 128°
- IR LED low light enhancement
- Built-in microphone
- Mirror (Reversed) image orientation
- Impact resistant housing
- NTSC video output signal
- Electronic Iris
- Dimensions with Bracket: 1.44"W x 1.36"H x 1.41"D
VCMS36i



Super CMOS Color Cylinder Camera

- Waterproof (IPX7)
- 12 Volt DC
- Viewing Angle: 118°
- IR LED low light enhancement
- Built-in microphone
- Mirror (reversed) image orientation
- NTSC video output signal
- Electronic Iris
- Machined aluminium body
- Impact resistant plastic housing
- Dimensions: 1.22"W x 1.22"H x 1.5"D
VCMSYL36i



Top Mount
(CMOS and CCD Models Available)

Side Body Color CMOS Cameras

- Waterproof (IPX7)
- 12 Volt DC
- Viewing Angle: 118°
- IR LED low light enhancement
- NTSC video output signal format
- Mirror (reversed) image orientation
- Machined aluminium body
- Impact resistant plastic housing
- Dimensions: 1.65" W x 1.83" H x 3.32" D



LEFT SIDE	RIGHT SIDE	TOP MOUNT	HOUSING COLOR
VCMS36LGP	VCMS36RGP	VCMS36TGP	Gray Paintable
VCMS36LCM	VCMS36RCM	VCMS36TCM	Chrome

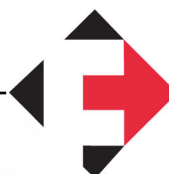
Side Body B&W CCD Cameras

- Waterproof
- 12 Volt DC
- Viewing Angle: 110°
- IR LED low light enhancement
- PAL/NTSC compatible
- Machined aluminium body
- Impact resistant plastic housing
- Dimensions: 2" W x 2.19" H x 4.5" D



LEFT SIDE	RIGHT SIDE	HOUSING COLOR
VBCSI DLWT	VBCSI DRWT	White
VBCSI D LCM	VBCSI D RCM	Chrome
VBCSI DLGP	VBCSI DRGP	Gray Paintable

OBSERVATION
SYSTEMS



M. S. Foster & Associates, Inc.

1866 N. Country Lane, Michigan City, IN 46360
Phone 219-380-3266 or 219-879-9225 • Toll Free 888-452-4053
Fax 219-879-9313 • email: sales@msofoster.com
www.msofoster.com

EXPAND your vision

VCCS150 & VCCS150B – Rear Color CCD Cameras

Power System	12VDC	
Operating Voltage Range	10V – 18VDC	
Power Consumption	200 mA (LED On)	
Operating Temperature Range	-20°C to +65°C	-4°F to 149°F
Storage Temperature Range	-30°C to +70°C	-22°F to 158°F
Operating Relative Humidity	100% RH	
Waterproof Rating	IPX7	
Overall Dimensions (without bracket)	2.7" x 1.7" x 57"	
Product Weight (unpackaged)	8.8 oz	

Optical Specifications

Video Output Signal Format	NTSC/PAL	
Video Signal Output Level	1Vp-p 75Ω	
Audio Output	200mV	
CMOS Specifications	Sensor	1/3" CCD
	Iris/Shutter Type	ELECTRONIC
	Shutter speed	1/60 ~ 1/100,00 Sec
	Resolution	330 TV Lines
	Sensitivity	0 Lux (with IR LED ON)
	Image Orientation	MIRROR
	View Angles	D
H		120°
V		90°

VCMS36L/R/T – Side Body Color CMOS Cameras

Power System	12VDC	
Operating Voltage Range	9.5V – 14VDC	
Power Consumption	1.8 Watt with LED's ON	
Storage Temperature Range	-4°F to 149°F	-20°C to 65°C
Operating Temperature Range	-40°F to 185°F	-40°C to 85°C
Operating Relative Humidity	100% RH	
Waterproof Rating	IPx7	
Overall Dimensions	1.65"W x 1.83"H x 3.32"D	
Product Weight (unpackaged)	2.29 oz	

Optical Specifications

Video Output Signal Format	NTSC	
Video Signal Output Level	1.0V p-p ; 75Ω	
Audio Output	N/A	
CMOS Specifications	Sensor	1/4" CMOS
	Iris/Shutter Type	Electronic Automatic
	Shutter speed	1/30 ~ 1/62500 sec
	Resolution	400 Lines
	Sensitivity	0 Lux
	Image Orientation	Mirror (Reversed)
	View Angles	D
H		101°
V		77°

VBCS150/B – Rear B&W CCD Camera

Power System	12VDC	
Operating Voltage Range	9.5V – 14VDC	
Operating Temperature Range	-40°C to +40°C	-85°F to 185°F
Storage Temperature Range	-40°C to +40°C	-80°F to 176°F
Operating Relative Humidity	100% RH	
Overall Dimensions (w/o bracket)	2.7"W x 1.62"H x 2.5"D	
Video Output Signal Format	NTSC	
Video Signal Output Level	1Vp-p	
Audio Output	150mV	
Sensor	1/3" CCD	
Iris/Shutter Type	Electronic	
Resolution	320K	
Sensitivity	0.05 Lux (with IR LED ON)	
Image Orientation	Normal/Mirror Selectable (Mirror Default)	
View Angles	D: 150 degrees	
	H: 120 degrees	
	V: 90 degrees	

VCMSYL36i – Super CMOS Color Cylinder Camera

Power System	12VDC	
Operating Voltage Range	9.5V – 14VDC	
Power Consumption	1.8 Watt with LED's ON	
Storage Temperature Range	-4°F to 149°F	-20°C to 65°C
Operating Temperature Range	-40°F to 185°F	-40°C to 85°C
Operating Relative Humidity	100% RH	
Waterproof Rating	IPx7	
Overall Dimensions	1.25"dia. x 1.5"D	
Product Weight (unpackaged)	2.29 oz	

Optical Specifications

Video Output Signal Format	NTSC	
Video Signal Output Level	1.0V p-p ; 75Ω	
Audio Output	N/A	
CMOS Specifications	Sensor	1/4" CMOS
	Iris/Shutter Type	Electronic Automatic
	Shutter speed	1/30 ~ 1/62500 sec
	Resolution	400 Lines
	Sensitivity	0 Lux
	Image Orientation	Mirror (Reversed)
	View Angles	D
H		101°
V		77°

VCMS36i – Rear Color CMOS Camera

Power System	12VDC	
Operating Voltage Range	9V – 16VDC	
Power Consumption	1W with LED ON	
Storage Temperature Range	-4°F to 149°F	-20°C to 65°C
Operating Temperature Range	-22°F to 158°F	-30°C to 70°C
Operating Relative Humidity	100% RH	
Waterproof Rating	IPX7	
Overall Dimensions (without bracket)	0.91"x 0.91"x 0.87"	
Product Weight (unpackaged)	4 oz	

Optical Specifications

Video Output Signal Format	NTSC	
Video Signal Output Level	1.0V p-p ; 75Ω	
Audio Output	200 mV	
CMOS Specifications	Sensor	1/4" CMOS
	Iris/Shutter Type	Electronic Automatic
	Shutter speed	1/30 ~ 1/62500 sec
	Resolution	400 TV Lines
	Sensitivity	0 Lux (with IR LED ON)
	Image Orientation	Mirror (Reversed)
	View Angles	D
H		93°
V		70°

VCCT130 – Rear Color Tilt Camera

Power System	12VDC	
Operating Voltage Range	Supplied by Monitor	
Power Consumption	200 mA (LED On)	
Operating Temperature Range	-4°F to 149°F	-20°C to 65°C
Storage Temperature Range	-22°F to 158°F	-30°C to 70°C
Operating Relative Humidity	100% RH	
Overall Dimensions	3.5"W x 2"H x 3.36"D	
Product Weight (unpackaged)	0.7 lbs	
Video Output Signal Format	NTSC	
Sensor	1/3" CCD	
Resolution	270K pixels	
Sensitivity	0.1 Lux	
Image Orientation	Mirror	
View Angles	H: 104 degrees	
	V: 78 degrees	