

# HD-Ultra color camera with HDMI and USB-2 interfaces VC.3036

## HIGHLIGHTS

- HD 1080p high definition color camera
- Real time images directly on TV, monitor or beamer
- Stand alone or used via PC
- Built-in mouse-driven software
- C-mount interface
- HDMI, USB-2 and SD memory card
- Compatible with ImageFocus 4 software



VC.3036

## TECHNICAL SPECIFICATIONS

<b>Sensor</b>	HDMI 6.0 Mega pixels CMOS high sensitive sensor (Sony)
<b>Format</b>	1/2.8 inch, HDTV 1080p (50/60 Hz)
<b>Pixels</b>	3264 x 1836 pixels (capture mode) 1920 x 1080 pixels (live view)
	HDMI 60 fps USB 30 fps
<b>Video</b>	1080p pixels video recording mode
<b>Scan mode</b>	Progressive scan
<b>Pixel size</b>	2.8 µm x 2.8 µm
<b>Noise</b>	3D Noise Reduction function
<b>Sensitivity</b>	510 mV
<b>White balance</b>	Automatic/manual
<b>Dynamic range</b>	69 db
<b>S/N max</b>	55 db
<b>Interfaces</b>	Digital HDMI, USB 2
<b>Storage</b>	Standard high speed 8 Gb SD memory card or to USB-2
<b>Camera buttons</b>	On/Off
<b>Mounting</b>	C-mount interface
<b>Power supply</b>	External main adapter 100-240 Vac to 12 Vdc/2A
<b>Operation</b>	0 – 60° C, 45-85 % humidity
<b>Storage temperature</b>	-20 to 70° Celsius
<b>Supplied with</b>	HDMI cable, USB 2 cable, 12Vdc/2A power supply, high speed 8 Gb SD card and USB-2 mouse. Without 0,3x photo adapter or objective. Built-in mouse-driven software for image capturing, 1080p HD video recording, image comparison and browsing of captures images and videos
<b>Compatibility</b>	Suitable with ImageFocus 4 software, Windows XP and higher
<b>Product number</b>	VC.3036

## MODELS

	Sensor	Sensor size (inches)	Pixels size (µm)	Resolutions	Grayscale conversion	Color rendering	Signal/ Noise(db)	Dynamic (db)	Sensitivity (V)	Product number	
<b>HD-Pro</b>	HDMI/USB2	Sony CMOS	1/2.8"	2.8 x 2.8	3264 x 1836, 1920 x 1080, 1080p video , HDMI 60 fps	16 bits	36 bits	55	69	510mV	VC.3036
<b>HD-Lite</b>	HDMI/USB2	Aptina CMOS	1/2.5"	2.2 x 2.2	2592 x 1944, 1920 x 1080 1080p video , HDMI 15 fps	16 bits	24 bits	40.5	60	1V	VC.3031
<b>HD-Mini</b>	HDMI	CMOS	1/2.5"	5.7 x 4.28	1080 x 720 , HDMI 30 fps	8 bits	24 bits	38	70	1.4V	VC.3030

# HD-Lite color camera with HDMI and USB-2 interface VC.3031

## HIGHLIGHTS

- HD 1080p high definition color cameras-  
Real time images directly on TV, monitor or beamer
- Stand alone or used via PC
- Built-in mouse-driven software
- C-mount interface
- HDMI, USB-2 and SD memory card
- Compatible with ImageFocus 4 software



VC.3031

## TECHNICAL SPECIFICATIONS

<b>Sensor</b>	HDMI 5.0 Mega pixels CMOS high sensitive sensor (Aptina)
<b>Format</b>	1/2.5 inch, HDTV 1080p (50/60 Hz)
<b>Pixels</b>	2592 x 1944 pixels (capture mode) 1920 x 1080 pixels (live view)
	HDMI 15 fps USB 15 fps
<b>Video</b>	1080p pixels video recording mode
<b>Scan mode</b>	Progressive scan
<b>Pixel size</b>	2.2 µm x 2.2 µm
<b>Noise</b>	3D Noise Reduction function
<b>Sensitivity</b>	1V
<b>White balance</b>	Automatic/manual
<b>Dynamic range</b>	60 db
<b>S/N max</b>	40.5 db
<b>Interfaces</b>	Digital HDMI, USB 2
<b>Storage</b>	Standard high speed 4 Gb SD memory card or to USB-2
<b>Camera buttons</b>	On/Off
<b>Mounting</b>	C-mount interface
<b>Power supply</b>	External main adapter 100-240 Vac to 12 Vdc/2A
<b>Operation</b>	0 – 60° C, 45-85 % humidity
<b>Storage temperature</b>	-20 to 70° Celsius
<b>Supplied with</b>	HDMI cable, USB 2 cable, 12Vdc/2A power supply, high speed 8 Gb SD card and USB-2 mouse. Without 0,3x photo adapter or objective. Built-in mouse-driven software for image capturing, 1080p HD video recording, image comparison and browsing of captures images and videos
<b>Compatibility</b>	Suitable with ImageFocus 4 software, Windows XP and higher
<b>Product number</b>	VC.3031

## MODELS

	Sensor	Sensor size (inches)	Pixels size (µm)	Resolutions	Grayscale conversion	Color rendering	Signal/ Noise(db)	Dynamic (db)	Sensitivity (V)	Product number	
<b>HD-Pro</b>	HDMI/USB2	Sony CMOS	1/2.8"	2.8 x 2.8	3264 x 1836, 1920 x 1080, 1080p video , HDMI 60 fps	16 bits	36 bits	55	69	510mV	VC.3036
<b>HD-Lite</b>	HDMI/USB2	Aptina CMOS	1/2.5"	2.2 x 2.2	2592 x 1944, 1920 x 1080 1080p video , HDMI 15 fps	16 bits	24 bits	40.5	60	1V	VC.3031
<b>HD-Mini</b>	HDMI	CMOS	1/2.5"	5.7 x 4.28	1080 x 720 , HDMI 30 fps	8 bits	24 bits	38	70	1.4V	VC.3030

# HD-Mini color camera with HDMI interface VC.3030

## HIGHLIGHTS

- HD 720p high definition color camera
- Real time images directly on TV, monitor or beamer
- Stand alone or used via PC
- Built-in mouse-driven software
- C-mount interface
- HDMI and SD memory card
- Compatible with ImageFocus 4 software



VC.3030

## TECHNICAL SPECIFICATIONS

<b>Sensor</b>	HDMI 2.0 Mega pixels CMOS high sensitive sensor
<b>Format</b>	1/2.5 inch, HDTV 1080p (50/60 Hz)
<b>Pixels</b>	1080 x 1720 pixels (live view)
<b>Video</b>	720p pixels video recording mode
<b>Scan mode</b>	Progressive scan
<b>Pixel size</b>	5.7 μm x 4.28 μm
<b>Noise</b>	Noise Reduction function
<b>Sensitivity</b>	1.4V
<b>White balance</b>	Automatic
<b>Dynamic range</b>	70 db
<b>S/N max</b>	438 db
<b>Interfaces</b>	Digital HDMI
<b>Storage</b>	Standard high speed 4 Gb SD memory card
<b>Camera buttons</b>	Videostream/freeze, AEWB on/off, save image, cursor on/off
<b>Mounting</b>	C-mount interface
<b>Power supply</b>	External main adapter 100-240 Vac to 12 Vdc/2A
<b>Operation</b>	-10 – 40° C, 30-80 % humidity
<b>Storage temperature</b>	-20 to 60° Celsius
<b>Supplied with</b>	HDMI cable, USB 2 cable, 12Vdc/2A power supply and high speed 8 Gb SD card. Without 0,3x photo adapter or objective. Built-in mouse-driven software for image capturing, 720p HD video recording, image comparison and browsing of captures images and videos
<b>Compatibility</b>	Suitable with ImageFocus 4 software, Windows XP and higher
<b>Product number</b>	VC.3030

## MODELS

		Sensor	Sensor size (inches)	Pixels size (μm)	Resolutions	Grayscale conversion	Color rendering	Signal/ Noise(db)	Dynamic (db)	Sensitivity (V)	Product number
<b>HD-Pro</b>	HDMI/USB2	Sony CMOS	1/2.8"	2.8 x 2.8	3264 x 1836, 1920 x 1080, 1080p video , HDMI 60 fps	16 bits	36 bits	55	69	510mV	VC.3036
<b>HD-Lite</b>	HDMI/USB2	Aptina CMOS	1/2.5"	2.2 x 2.2	2592 x 1944, 1920 x 1080 1080p video , HDMI 15 fps	16 bits	24 bits	40.5	60	1V	VC.3031
<b>HD-Mini</b>	HDMI	CMOS	1/2.5"	5.7 x 4.28	1080 x 720 , HDMI 30 fps	8 bits	24 bits	38	70	1.4V	VC.3030