Lumens®

VC-A71SN

4K NDI® PTZ Camera

with NDI®|HX3 and 12G-SDI

Product Introduction

Overview

- Color: Black, White
- NDAA/TAA Compliant: Yes
- Warranty: 5-Year
- MAP: $4,495

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4K NDI® PTZ Camera
with NDI®|HX3 and 12G-SDI

*Changes in specification or design may not be done without notification.

Product I/O

VC-A71SN Front View

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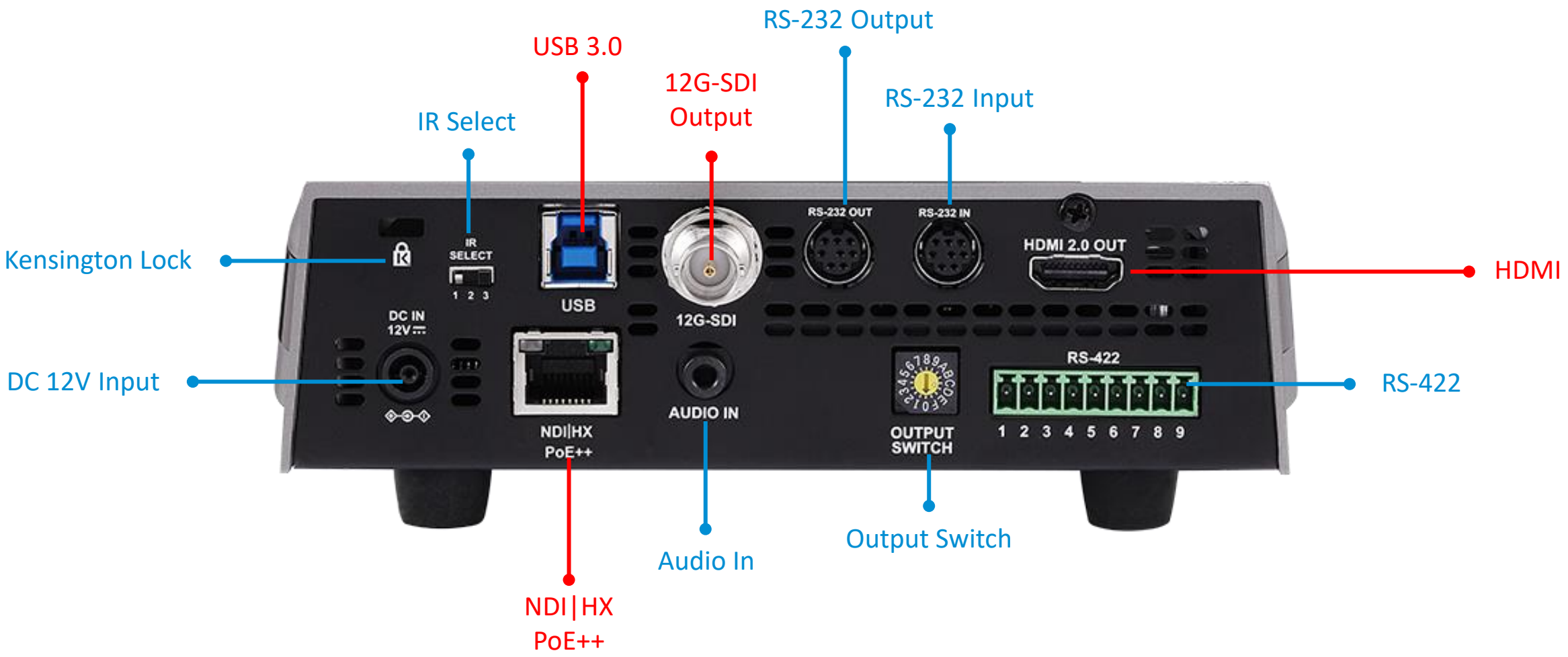
Product I/O

VC-A71SN Back View



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Accessories & Software

Software

Deployment Tool 2.0

Camera Controller

CamConnect

Virtual Camera

Accessories

Wall mount

WM12

Control

Remote Controller

Webpage

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Key Features

- 4K 60 fps, 30x optical zoom, 1/1.8” Sensor
- 12G-SDI, HDMI, Ethernet, USB3.0 output
- Supports NDI|HX3 / NDI|HX2 / RTSP / RTMP / RTMPS / MPEG-TS / SRT
- Supports FreeD protocol for live VR/AR production
- BT.2020 / Rec.709 color space support

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Selling Point

NDI®|HX3 Technology

VC-A71SN supports the latest version of the NDI protocol, NDI®|HX3. It delivers very high quality video with ultra-low latency and connects directly to NDI® networks.

12G-SDI

Lumens VC-A71SN is equipped with a 12G-SDI video output. This port delivers UltraHD at up to 60 frames a second, meaning it can capture fast motion and deliver smooth video output.

BT.2020/Rec.709

Lumens® VC-A71SN supports the BT.2020 color gamut for wide and precise color reproduction. With BT.2020, VC-A71SN will be easy to match other cameras and deliver video output optimized for new generation UltraHD monitors.

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Selling Point

Live VR/AR Video Production

VC-A71SN supports the FreeD protocol. This enables users to work with Virtual Reality and Augmented Reality sets without the need for additional sensors.

Smooth PTZ Movement

With high-precision motor control and Lumens' innovative mechanical transmission mechanism, VC-A71SN achieves smooth, high-speed movement without any judder. The speed of movement is fully customizable.

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New VS Old

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	NEW VC-A71SN	VC-A71PN
Sensor	1/1.8" 9.17 MP CMOS	
Video Output	4Kp60	
Video Output(HD) Interface	12G-SDI, HDMI2.0, Ethernet, USB3.0	HDMI 2.0,Ethernet
Optical Zoom	30x	
Horizontal Viewing Angle	63°	
AR/VR systems	FreeD	
PoE	POE++ (IEEE802.3bt)	POE+ (IEEE802.3at)
Video Stream Protocol	NDI|HX3 / NDI|HX2 / RTSP / RTMP / RTMPS / MPEG-TS / SRT	NDI|HX2 / RTSP / RTMP / RTMPS / MPEG-TS / SRT
Camera Control Interface	RS-232 / RS-422 / Ethernet / USB 3.0	RS-232 / RS-422 / Ethernet
Camera Control Protocol	VISCA / VISCAIP / PELCO D / ONVIF / NDI / UVC	VISCA / VISCAIP / PELCO D / NDI / ONVIF
USB Video Format	2160P30	NA
Audio Input	Line In / MIC In	
Audio Output	Ethernet / 12G-SDI / HDMI / USB	Ethernet / HDMI

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Competition

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Item	Model Name	Lumens VC-A71SN	Panasonic AW-UE80
Camera	Price(USD)	$ 4,495	$ 5,500
	Video Format	4K60p	4K60p
	Sensor	1/1.8" 9.17 MP CMOS	1/2.5" MOS
	Video Output Interface	12G-SDI, HDMI2.0, Ethernet, USB3.0	3G-SDI, HDMI, Ethernet
	Optical Zoom	30x	24x
	Horizontal Viewing Angle	63°	74.1°
	Focal Length	6.5mm ~ 202mm	4.12 ~ 98.9 mm
	Minimum Object Distance	1.5m (Wide/Tele)	100 mm(Wide) 1200 mm(Tele)
	Focus System	Auto, Manual, Smart AF	Auto, Manual
	Genlock	NA	Yes
	Image Stabilization	NA	OIS
	AR/VR systems	FreeD	FreeD
Pan & Tilt	Motor Type	Stepping	Direct Drive
Output	HDMI/SDI	HDMI : 4Kp60 12G-SDI : 4Kp60	HDMI : 4Kp60 3G-SDI : 1080p60
	IP Stream	HEVC 4Kp60 H.264 1080p60 H.264 360p30	HEVC 1080p60
	USB Output	H.264 2160p30fps MJPEG 1080p30	NA
Network	Stream Protocol	RTSP / RTMP / RTMPS / MPEG-TS / SRT / NDI|HX3	RTSP / RTMP / MPEG-TS / SRT / NDI|HX / HB NDI
Camera Control	Protocol	VISCA / PELCO D / NDI|HX / UVC / ONVIF	Panasonic / NDI
	UVC	Yes	NA
	UAC	Yes	NA

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Integration

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VS-KB30

VS-K20

Control

LC200

LC100

Media Processor

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Integration

Third-Party

Stream Deck

YouTube LIVE
vimeo USTREAM
WOWZA media systems twitch
Microsoft Stream

Streaming Platform

Telestream Wirecast
vMix

Broadcasting Software

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