

# ST500 (Studio-in-a-box)

## Technical specifications

	ST500e (Studio-in-a-box)	ST500 (Studio-in-a-box)	ST150 (Studio-in-a-box 1U)
Compatible with all PTZ cameras using VISCA over IP protocol	<b>HD camera included</b>	✓ (Dependant on dimensions)	✓
10-bit SD/HD-SDI Video Input/Output		<b>Input only</b>	✓
HDMI Video and Audio Input/Output	<b>Output only via DVI</b>	✓	✓
Genlock/Sync Reference input			✓
XLR, Analogue audio Input/Output	<b>Input only</b>	<b>Input only</b>	✓
AES/EBU Audio Input/Output			✓
NDI™ Video over IP. Dante/ Livewire+ AES67 Audio over IP Support*	✓	✓	✓
Full duplex audio, full audio metering and level control	✓	✓	✓
2 Channel audio mixer with phantom power	✓	✓	
Inbuilt lighting (4200K Natural White, 612LM)	✓	✓	
10 independent DMX lighting controller channels (5 lights)		✓	✓
Talkback - IFB from Studio	✓	✓	✓
Lavalier microphone and single channel earpiece	<b>Optional</b>	<b>Optional</b>	
1/4" Jack headphone out/earpiece	✓	✓	✓
Simultaneous record to any cloud storage	✓	✓	✓
Internal storage size	<b>120GB</b>	<b>250GB</b>	<b>250GB</b>
Video or still Chroma Key		✓ (Max 30fps)	✓ (Max 30fps)
Artificial intelligence (Facial tracking)	✓	✓	✓
7" LCD touchscreen	✓	✓	
USB 3.1 (Type A) / 3.1 (Type C)	<b>2 / 2</b>	<b>2 / 2</b>	<b>2 / 2</b>
Ethernet ports	<b>2</b>	<b>2</b>	<b>2</b>
4G/LTE supported by USB dongle	✓	✓	✓
Inbuilt Wi-Fi (MIMO)	✓	✓	
Power supply	<b>12v</b> (via 110-240v power supply)	<b>12v</b> (via 110-240v power supply)	<b>110-240v</b>
Size: 480mm (W) x 44mm (H) x 250mm (D)			✓
Size: 223mm (W) x 344mm (H) x 238mm (D)	✓	✓	
Weight	<b>5.9kg</b> (Including camera)	<b>4.5kg</b> (Excluding camera)	<b>4kg</b>

Subject to change without notice



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# ST500 (Studio-in-a-box)

## ST500e inbuilt camera specifications

	ST500e (Studio-in-a-box)
Camera model	Minrray UV510A included
Sensor	1/2.8 inch high quality HD CMOS sensor
Effective pixels	16: 9, 2.07 megapixel
Video format	1080P60 / 50 / 30 / 25 / 59.94 / 29.97; 1080i60 / 50 / 59.94; 720P60 / 50 / 30 / 25 / 59.94 / 29.97
Optical zoom	12X
White balance	Auto/Manual/One Push/3000K/3500K/4000K/4500K/5000K/5500K/6000K/6500K/7000K
Focus	Auto/Manual/One push focus
Aperture/electronic shutter	Auto/Manual
BLC	ON/OFF
WDR	OFF/ Dynamic level adjustment
Video adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve
SNR	>55dB

## ST500 camera recommendations

	ST500 (Studio-in-a-box)
Camera model	Recommended: Panasonic AW-HE38, Panasonic AW-HE40, Panasonic AW-HE42, Panasonic AW-HE70 & Minrray UV510A

## ST150 camera recommendations

	ST150 (Studio-in-a-box 1U)
Camera model	Recommended: Panasonic AW-HE130 & Panasonic AW-UE150