

Product Comparison: LiveShell X and LiveShell W

Functions		LiveShell X	LiveShell W
Video	Max resolution	1920 x 1080	1920 × 1080
	Video encoding	H.265 / H.264	H.264
	Max frame rate	60FPS	60FPS
	Frame rate setting	1~60FPS	Only 60FPS input sources can be set to 30FPS
	Bitrate output	128 ~ 20,000kbit/s	128 ~ 20,480kbit/s
	Video input	HDMI × 1	HDMI × 2
	Input format	1080p/60, 1080p/50, 1080p/30, 1080p/25, 1080p/24, 1080i/60, 1080i/50, 720p/60, 720p/50, 720p/30, 720p/25, 720p/24, 576p, 576i, 480p, 480i, VGA	1080p/60(59.94), 1080p/50, 1080p/30(29.97), 1080p/25, 1080p/24(23.976), 1080i/60(59.94), 1080i/50, 720p/60(59.94), 720p/50, 720p/30(29.97), 720p/25, 720p/24(23.976), 576p/50, 480p/59.94, VGA
	I/P conversion method	Field combination	Field combination
	Output	N/A	HDMI × 1
	Output format	N/A	1080p/60(59.94), 1080p/50, 1080p/30(29.97), 1080p/25, 1080p/24(23.976), 720p/60(59.94), 720p/50, 720p/30(29.97), 720p/25, 720p/24(23.976), 576p/50, 480p/59.94, VGA
Audio	Audio encoding	AAC-LC	AAC-LC
	# of Channel	2 channels	2 channels
	Sampling rate	48kHz	48kHz
	Bit depth	16bit	16bit
	Output bit rate range	16 ~ 256kbit/s	48 ~ 256kbit/s

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	Digital input	HDMI × 1	HDMI × 2, USB × 1
	Analog input	LINE × 1	LINE × 1, マイク × 1
	Digital output	N/A	HDMI × 1, USB × 1
Streaming	Protocol	RTMP/RTMPS Client RTSP Server MPEG2-TS over UDP	RTMP/RTMPS Client RTSP Server MPEG2-TS over UDP
	Simultaneous Streaming	3	3
Recording	Supported media	microSD card	microSD card USB drive
	Simultaneous recording	1	1
Video manipulation	Switching	N/A	Supported (2 inputs)
	Switching effects	N/A	Cut, MIX, Wipe
	Composite Effect	N/A	PinP, Chroma Key
	Caption composite	Text arrangement, transparent PNG image composition	Text arrangement, transparent PNG image composition
Connecting interface	USB port	1	2
	Supported USB connectable devices	Wireless LAN adapter, LTE connection modem	Dedicated controller, LTE connection modem, HID keyboard, USB mass storage, USB audio class device
	Ethernet	10BASE-T/100BASE-T X × 1	10BASE-T/100BASE-T X/1000BASE-T x 1
	Wireless LAN	IEEE 802.11a/b/g/n/ac	IEEE 802.11a/b/g/n/ac
	Wireless LAN operation mode	Infrastructure mode	Infrastructure mode or AP mode
	Mobile connection	3G/LTE	LTE
	Network protocol	IPv4	IPv4 / IPv6
	IP Address setting	DHCP or FIXED	DHCP or FIXED (IPv4), SLAAC (IPv6)
Operating interface	Front display	128×64 OLED	128×64 OLED
	Power operation	Power button	Power button
	Menu operation	Buttons	Control dial, buttons
	Built-in server operation	via Browser	via Browser

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	Built-in application	TinyCon	LiveShell Studio
	External Applications	Dashboard	N/A
Others	Power source	DC plug/Built-in battery	USB Type-C × 2
	Supported power source	AC adapter	AC adapter or a power bank
	Voltage・Current	12V/3A	5V/3A
	Size (in mm)	W102 × D100 × H42	W145 × D100 × H42
	Weight (in g)	380g (w/o battery) 480g (w/battery)	500g
	Mounting nut	1/4 20UNC x 1 (side) 1/4 20UNC x 1 (rear) M4 nut x 4 (bottom base)	1/4 20UNC x 1 (side) M4 nut x 4 (side) M3 screw hole x 4 (bottom base)
	Included accessories	Wi-fi adapter, AC adapter set, setting cable, LiveShell X quick setup guide	LiveShell W quick setup guide, AC adapter, USB Type C cable for power supply, Wi-Fi Adapter, carrying case