

Switchers

# 4K SHOWCAST Streaming Studio

## SHOWCAST 100

|                                    |                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Standard                     | 4K & HD                                                                                                                                                                                                                                                                                                                                                                                |
| Video Format                       | Input:<br>3840x2160p: 60/59.94/50/30/29.97/25/24/23.98<br>1080p: 60/59.94/50/30/29.97/25/24/23.98<br>1080i: 60/59.94/50, 720p: 60/59.94/50<br>VGA, XGA (1024 x 768), SXGA (1280 x 1024),<br>UXGA (1600 x 1200), WUXGA (1920 x 1200)<br><br>Output:<br>3840x2160p: 60/59.94/50/30/29.97/25/24/23.98<br>1080p: 60/59.94/50/30/29.97/25/24/23.98<br>1080i: 60/59.94/50, 720p: 60/59.94/50 |
| Video Processing                   | 4K60<br>YUV4:4:4 8bit, YUV 4:2:2 8/10bit, YUV 4:2:0 8bit, RGB 4:4:4 8bit<br>4K30<br>YUV4:4:4 8/10/12bit, YUV 4:2:2 8/10/12bit, YUV 4:2:0 8bit,<br>RGB 4:4:4 8/10/12bit<br>HD<br>YUV4:4:4 8/10/12bit, YUV 4:2:2 8/10/12bit, RGB 4:4:4 8/10/12bit                                                                                                                                        |
| Input Routable / Crosspoint        | N/A                                                                                                                                                                                                                                                                                                                                                                                    |
| Video Input                        | 4 x HDMI 2.0                                                                                                                                                                                                                                                                                                                                                                           |
| Mix HD & SD Source                 | ----                                                                                                                                                                                                                                                                                                                                                                                   |
| Computer Graphic Interface         | 4 via HDMI                                                                                                                                                                                                                                                                                                                                                                             |
| Video Output                       | 3 x HDMI 2.0 for PGM<br>1 x HDMI for CG Preview                                                                                                                                                                                                                                                                                                                                        |
| Down-Converted Output              | Yes                                                                                                                                                                                                                                                                                                                                                                                    |
| Built-in Multi-view Monitoring Out | On 14" Touch Panel                                                                                                                                                                                                                                                                                                                                                                     |
| Analogue Audio Input               | 2 x 3 Pin XLR / 1/4" (6.3mm) Combo Socket<br>1 x Stereo RCA set (L/R)<br>Audio Input Switch: Stereo / Mono                                                                                                                                                                                                                                                                             |
| Analogue Audio Output              | 1 x Stereo RCA set (L/R)<br>1 x Stereo headphone (Mini Jack with volume control)                                                                                                                                                                                                                                                                                                       |
| Digital Embedded Audio Support     | Input 2 channels, Output 2 channels                                                                                                                                                                                                                                                                                                                                                    |
| Audio Delay Calibration            | Up to 200ms                                                                                                                                                                                                                                                                                                                                                                            |
| A+V Switching                      | Yes                                                                                                                                                                                                                                                                                                                                                                                    |
| Chromakey                          | ----                                                                                                                                                                                                                                                                                                                                                                                   |
| Title Creator                      | Web GUI                                                                                                                                                                                                                                                                                                                                                                                |
| USK                                | Lumakey                                                                                                                                                                                                                                                                                                                                                                                |
| DSK                                | ----                                                                                                                                                                                                                                                                                                                                                                                   |
| Picture in Picture                 | 1                                                                                                                                                                                                                                                                                                                                                                                      |

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Logo Insertion          | ----                                                                                                                                                                                                                          |
| Still Store             | ----                                                                                                                                                                                                                          |
| Effects                 | Seamless Cut, WIPE, Mix                                                                                                                                                                                                       |
| Transition Preview      | ----                                                                                                                                                                                                                          |
| Sync / Reference In/Out | Built-in Genlock (internal)                                                                                                                                                                                                   |
| Tally Output            | D-Sub -15 Male connector                                                                                                                                                                                                      |
| PC Remote Control       | Web browser UI for configuration and control<br>Socket commands                                                                                                                                                               |
| Camera Control          | DVIP/ RS-422/ RS-232                                                                                                                                                                                                          |
| Built-in Audio Mixer    | Yes                                                                                                                                                                                                                           |
| Storage                 | 1 x SD Card Slot<br>Supports SD, SDHC and SDXC card (UHS-I) (Class 10 above)                                                                                                                                                  |
| Recording File System   | FAT, NTFS, exFAT                                                                                                                                                                                                              |
| Recording File Format   | MP4                                                                                                                                                                                                                           |
| Video Encode            | H.264 / AVC, Main/ High Profile<br>Record Only: Up to 16Mbps (1080p 50/60)<br>Stream Only: Up to 10Mbps (1080p 50/60)<br>Rec and Stream: Up to 10Mbps (1080p 25/30)<br>Rec and Stream: Up to 36Mbps (1080p50/60), Dual Stream |
| Audio Encode            | AAC-LC<br>Configurable bit rate range from 32Kbps to 384Kbps<br>Sample rate: 48KHz, 16bit                                                                                                                                     |
| Streaming Protocol      | TS over TCP/UDP (unicast & multicast)<br>RTSP over HTTP/TCP/UDP (RTSP Elementary Streaming)<br>RTMP (Publish)                                                                                                                 |
| Firmware Update         | Ethernet, USB                                                                                                                                                                                                                 |
| Special Features        | 14.0" Touchscreen Display                                                                                                                                                                                                     |
| Chassis                 | Unibody                                                                                                                                                                                                                       |
| Dimension (LxWxH)       | 437.6 x 330.5 x 96.5mm                                                                                                                                                                                                        |
| Weight                  | 5.4 Kg                                                                                                                                                                                                                        |
| Power                   | DC 12V 82W                                                                                                                                                                                                                    |
| Operating Temp. Range   | 0~40 °C                                                                                                                                                                                                                       |
| What's in the Box       | 1 x Showcast 100 product<br>1 x AD Switch DC 12V with AC Cord                                                                                                                                                                 |