



## UHDS-OUT2-F16

2-Channel 4K HDMI Scaler-Switcher Output Card

| HDMI | HDCP Compliant | Kramer Core



UHDS-OUT2-F16 is a two-channel HDMI scaler card for the VS-1616 Series Modular Multi-Format Digital Matrix Switchers. The card scales each output signal separately to a set resolution, aspect ratio and color depth according to the native requirements of the screen or to a user setting. The scaling ensures ultra-fast switching by eliminating dependency on the display's scaling capabilities while keeping a constant output signal. In addition, it features immediate (between frame) cut switching between both ports on the same card for live-event switching/scaling

### FEATURES

- Max. Data Rate - 8.91Gbps (2.97Gbps per graphic channel)
- Max. Scaled Output Resolution - 4K@30Hz (4:4:4)
- Max. Input Resolution - 4K@30Hz (4:4:4)
- HDMI, HDCP, EDID Support
- Immediate Frame-to-Frame Switching Support



## TECHNICAL SPECIFICATIONS

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| Outputs                  | 2 HDMI On female HDMI connectors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Video                    | Max. Data Rate 8.91Gbps (2.97Gbps per graphic channel)<br><br>Max. Scaled Output Resolution 4K@30Hz (4:4:4)<br><br>Max. Input Resolution 4K@30Hz (4:4:4)<br><br>Switching Time Between Inputs Less than 300ms (seamless)<br><br>Video Latency Less than 3 frames<br><br>Output Resolutions 1920x1080p@60Hz, 1920x1080p@50Hz, 1280x720p@60Hz, 1280x720p@50Hz, 720x480p@60Hz, 720x586p@50Hz, 1920x1080p@25Hz, 1920x1080p@30Hz, 3840x2160@30Hz, 3840x2160@25Hz<br><br>Standards Compliance HDCP 1.4, HDMI 1.3a, HDTV compatible<br><br>3D Pass-through Not supported |
| Extension Line           | Max. Range 15m (49ft) – 1080p 12 bit (deep color)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Power                    | Consumption 22W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Environmental Conditions | Operating Temperature 0° to +40°C (32° to 104°F)<br><br>Storage Temperature –40° to +70°C (–40° to 158°F)<br><br>Humidity 10% to 90%, RHL non-condensing                                                                                                                                                                                                                                                                                                                                                                                                          |
| STANDARDS COMPLIANCE     | Safety CE<br><br>Environmental Complies with appropriate requirements of RoHs and WEEE                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Product Dimensions       | 19.00cm x 13.00cm x 2.00cm (7.48" x 5.12" x 0.79" ) W, D, H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Product Weight           | 0.2kg (0.4lbs) approx                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Shipping Dimensions      | 34.50cm x 16.50cm x 5.20cm (13.58" x 6.50" x 2.05" ) W, D, H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Shipping Weight          | 0.3kg (0.7lbs) approx                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

