



# kramer

## HS-OUT2-F16

2-Channel HDMI Scaler-Switcher Output Card

| HDMI | HDCP Compliant | Kramer Core



HS-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 - 6.75Gbps (2.25Gbps per graphic channel)
- Max. Scaled Output Resolution - 1080p, UXGA
- Max. Input Resolution - 1080p, UXGA
- HDMI, HDCP, EDID Support
- Immediate Frame-to-Frame Switching Support



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## TECHNICAL SPECIFICATIONS

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Outputs	2 HDMI On female HDMI connectors
Video	Max. Data Rate 6.75Gbps (2.25Gbps per graphic channel) Max. Scaled Output Resolution 1080p, UXGA Max. Input Resolution 1080p, UXGA Switching Time Between Inputs Less than 1 second (seamless) Video Latency Less than 3 frames Output Resolutions Native, 640x480@60Hz, 720x480p@60Hz, 720x576p@50Hz, 800x600@60Hz, 1024x768@60Hz, 1280x720p@50Hz, 1280x720p@60Hz, 1280x1024@60Hz, 1600x1200@60Hz, 1920x1200@60Hz, 1920x1080p@50Hz, 1920x1080p@60Hz Standards Compliance HDCP 1.4, HDMI 1.3a, HDTV compatible 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) Storage Temperature -40° to +70°C (-40° to 158°F) Humidity 10% to 90%, RHL non-condensing
STANDARDS COMPLIANCE	Safety CE 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 (0.3lbs) 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

