16-Channel Switcher KTS-216

Compact, 16–channel programmable desktop switcher

The KTS-216 is one of Kalatel's new desktop series video switchers, a device capable of receiving up to sixteen camera inputs and switching those video inputs to a single monitor output (includes a second monitor output option). This compact switcher is equipped with easy-to-use programming options and connectors for a variety of peripheral devices.

This micro-controller product comes with an on-screen display for programming which shows current video input, input names, loss of video detection, alarms, and sequencing. Programming and basic operation is performed through the attractive elasto-numeric keypad on the front of the unit, and the use of LED's to indicate the state of the switcher to the user.

Users can set programming options by entering information through a simple system of on-screen menus. These programming
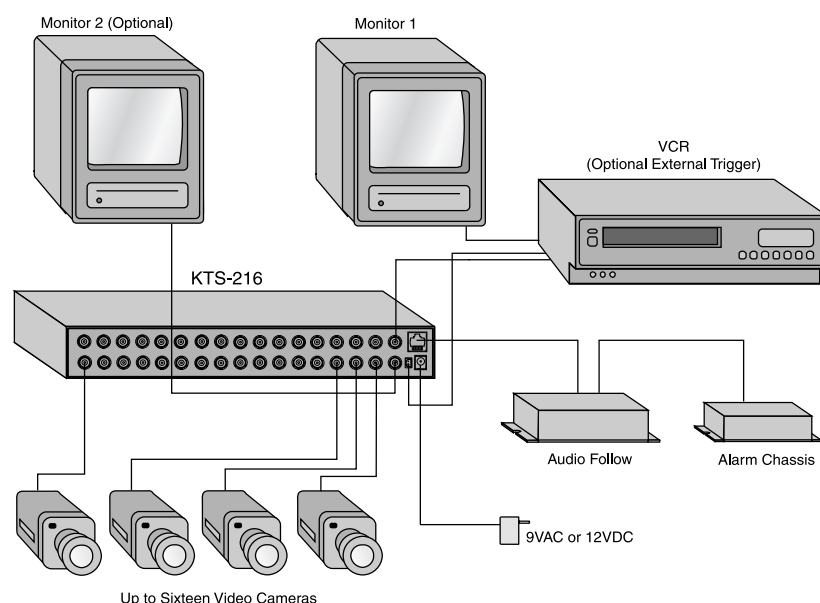
options are based on the needs of each installation and can include sequencing tours, alarms, audio follow, looping, and an external trigger. Sequence routines can be set to respond with different delay times and react to a variety of inputs. Alarms can be set to override sequence routines, and an external trigger can be used to time the sequence routines.

Peripheral devices can include alarms, audio follow, and an external trigger device, most usually a VCR. The KTS-216 also provides the option of looping BNC connectors to allow the use of yet another auxiliary device.

The KTS-216 is a compact unit designed for desktop use, but it can also be rack–mounted. Rack–mounted, the KTS-216 would take up only 1 U of rack space.

16-channel video switcher

Features

- Sixteen video channels

- Second monitor output (optional)

- Sixteen looping connectors

- Programmable sequence tours

- Audio follow

- Alarm programming

- External trigger port

- Auxiliary port

- Rack–mountable

- NTSC or PAL

System Diagram

The KTS-216 is capable of switching the video input of up to 16 cameras to two monitor outputs. This switcher also supports audio follow, alarms, and devices that can be used as an external trigger, such as a VCR.

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Technical Specifications

Electrical

Input
	Voltage	9VAC or 12VDC
	Power	~3.0VA

Video

Inputs	Composite Video, 1V p–p
Outputs	Composite Video, 1V p–p
Impedance	75 Ohm Inputs/ 75 Ohm Outputs
3dB Frequency	7.0 MHz
Signal/Noise	–60.0 dB rms
Differential Gain	± 1%
Differential Phase	± 1°

Connections

Video	BNC connectors
Power	9VAC or 12VDC wall transformer

Mechanical

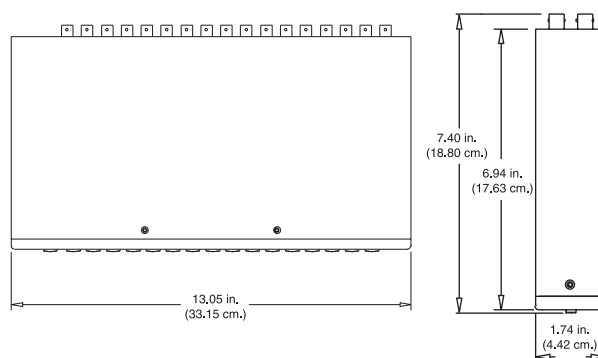|	
Weight	2.24 lbs, 1.02 kgs
Dimensions	13.05 x 7.39 x 1.74 in. (including connectors)
	33.15 x 18.77 x 4.42 cm.
Rack Mount	1 U vertical rack space
	3/4 horizontal rack space
Material	Aluminum
Finish	Dark gray powder coat

Options:

KTS-200M – Monitor Output Card. Ordered when the second monitor output is to be used. An internal card used to activate the second monitor output.

KTS-F16 – Audio Follow Relay. Ordered when audio follow is required in a system. The audio follow relay is a self-contained desktop unit providing two-pole, balanced audio switching.
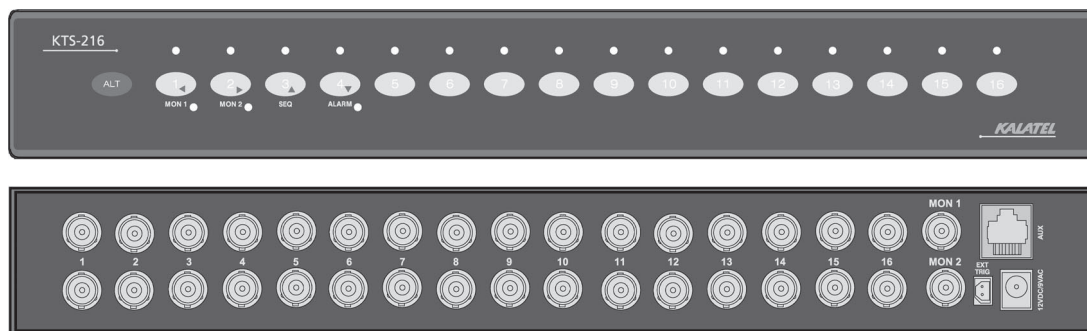
KTS-A16 – Alarm Relay. When alarms are utilized, this alarm chassis will need to be ordered. The alarm option allows automatic video call-up when an alarm event occurs.

KTS-R16 – Rack Mount. Can be ordered when necessary for switcher to be rack mountable. These switchers have been designed primarily for desktop use.

KTS-200X – External Trigger Connector. This option allows the switcher to be sequenced by an external switch pulse. Ordered when an external device is used to trigger the switcher, such as a VCR.

KTS-216 Dimensions

7.40 in. (18.80 cm.)
6.94 in. (17.63 cm.)
13.05 in. (33.15 cm.)
1.74 in. (4.42 cm.)

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