

1U Rackmount 17" TFT 1280x1024 LCD KVM with 104 key notepad keyboard w/ Touchpad ( e ), Integrated with Matrix Cat6, 16 KVM Ports + 1 User Via CAT5 Extender + 2 Users Via KVM over IP Integrated with additional BNC Video Input.

Unit Depth : 22.8"

\*\*\* Dongles sold separately\*\*\*

**MODEL: NVP117MC2116e-BNC**



### BENEFITS:

- 1U 17" LCD console drawer
- 1280 x 1024 native resolution / 16.7M colors
- 104-key keyboard with touchpad
- One Man installation design
- New enhanced aesthetics with molded front handle
- 2-year standard warranty ( upgradable up to 5 years )

### SPECIFICATIONS

LCD Panel	
Panel size ( diagonal )	17"
Native resolution	1280 x 1024
Brightness ( cd/m <sup>2</sup> )	250
Contrast ratio ( typ. )	1000 : 1
Colors	16.7 M
Viewing angle ( L/R/U/D )	85/85/80/80
Response time ( ms )	5
Dot pitch ( mm )	0.264
Display area ( mm )	337.92H x 270.33V
Surface treatment	Haze 25%, Hard-coating
Surface hardness	3H
Backlight type	LED
MTBF (hrs)	30,000

Physical		
Product ( W x D x H )	Console w/ KVM	442 x 580 x 44mm 17.4 x 22.8 x 1.73 inch
Packing ( W x D x H )	Console w/ KVM	590 x 815 x 140 mm 23.2 x 32.1 x 5.5 inch
Net weight	Console w/ KVM	13 kg / 28.6 lb
Gross weight	Console w/ KVM	19 kg / 41.8 lb

Mounting Distance	
Console w/ KVM drawer	580 mm 22.8 inch

Power		
Input	Auto-sensing 100 to 240VAC, 50 / 60Hz	
Consumption (console / KVM)	Screen on	Max. 22W / Max. 55W
	Power saving mode	Max. 2W / Max. 34W
	Power button off	Max. 1W / Nil

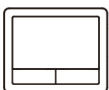
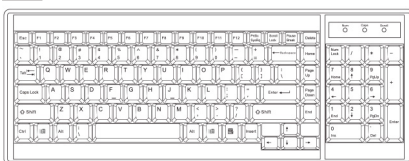
Environment	
Operating temp.	-20 to 65°C degree
Storage temp.	-20 to 60°C degree
Operating humidity	20~90%, non-condensing
Storage humidity	5 ~90%, non-condensing
Operating altitude	16,000 ft
Non-operating altitude	40,000 ft
Shock	10G acceleration ( 11ms duration )
Vibration	10~300Hz 0.5G RMS random vibration

Compliance	
EMC	FCC, CE certified
Safety	CE / LVD, UKCA & CCC
Environment	RoHS3 & REACH

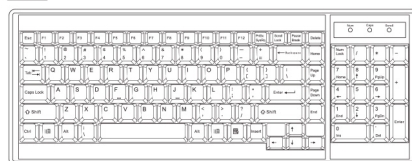
*\*Specifications subject to change without notice, not responsible for typographical errors.*

### STANDARD KEYBOARD

**Ge** G keyboard with touchpad



**Gb** G keyboard with trackball



### Supporting layouts

America						
	U.S.					
EMEA						
	U.K.	Germany	France	Russia	Spain	Italy
Asia						
	Japan	Korea				

## KEYBOARD OPTIONS

\* US layout only

**Me** Mac keyboard with touchpad



**Se** S keyboard with touchpad

**Sb** S keyboard with trackball

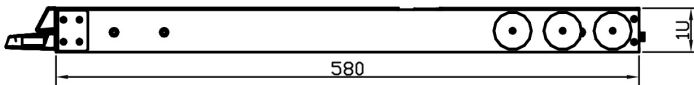


**Mb** Mac keyboard with trackball

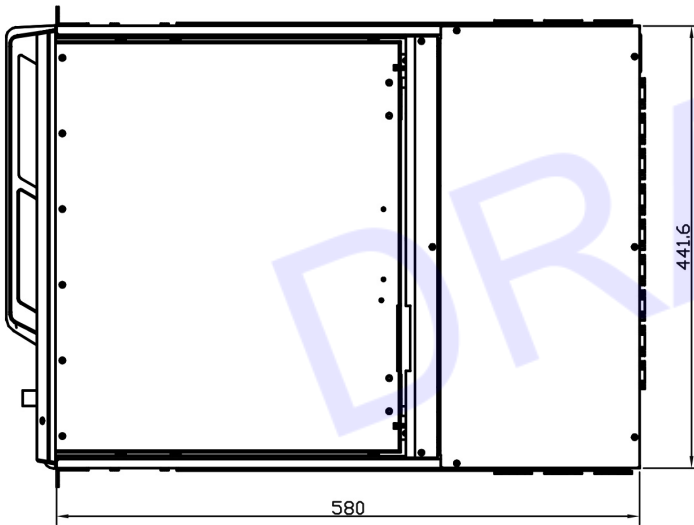
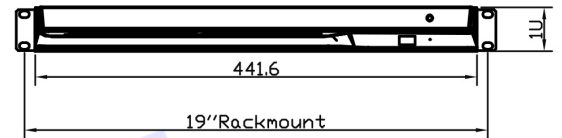
## MECHANICAL DRAWINGS

*This is subject to change without Notice. Final Drawings Will be Provided for Approval after Order.*

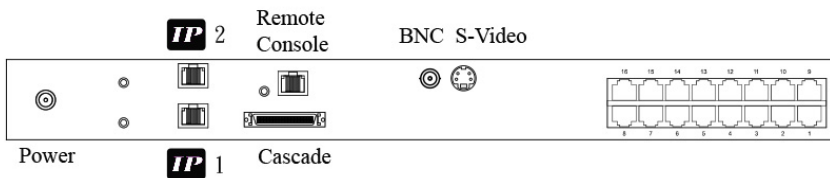
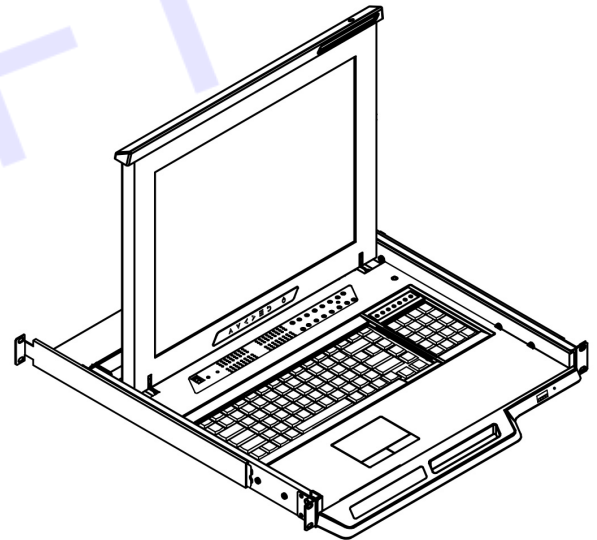
Left-side View



Front View



Top View



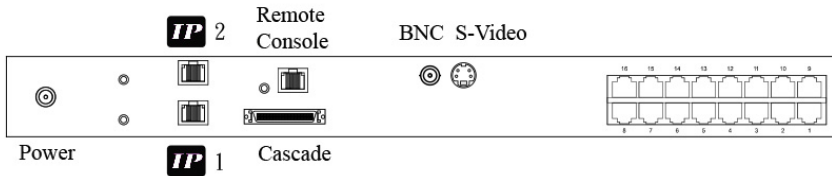
Drawing No.: NVP117MC2116e-BNC-11282022-V1

## MATRIX CAT6 IP KVM BENEFITS

- Secure IP remote user access across the world wide web
- Efficient system management with simultaneous multi-user access
- Capable of connecting 32 or 16 servers per device in 1U
- Support DVI-USB, VGA-USB & VGA-PS/2 server interface
- Up to 40 meters between your server & KVM switch
- Enhanced Cat6 cable management with remote access up to 150m

## SWITCH FEATURES & OPTIONS

- Provide a diversity of console to access servers independently and simultaneously
- Use of the RJ45 Cat6 interface allows for a higher number of ports in smaller density
- Greater distances between your switch and servers allow enhanced data center rack layouts
- Multi lingual on screen display menu
- Advanced user profiles and configurable OSD hot key combinations

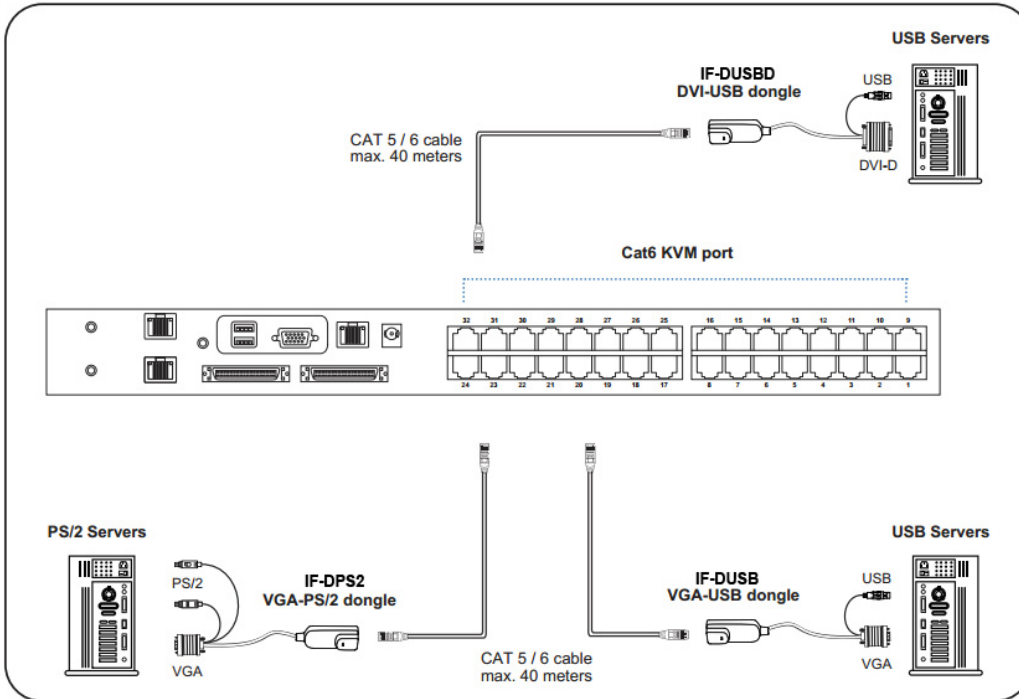


## KVM SPECIFICATIONS

<b>■ KVM Port</b>	
Number of ports:	16
Connector:	RJ-45
Connectivity:	DVI-D / VGA connector dongle up to 40 meters (132 feet) via Cat6 / Cat5 cable
<b>■ Local Console</b>	
Monitor port:	DB15-pin VGA
Keyboard & mouse port:	2 x USB type connector for keyboard & mouse
Resolution support:	4:3 - max. 1600x1200 16:10 - max. 1440x900
<b>■ Cat6 Remote Console</b>	
Number of remote port:	1
Monitor port:	DB15-pin VGA
Keyboard & mouse port:	2 x USB type connector for keyboard & mouse
Remote I/O:	RJ45 via Cat5 / Cat5e / Cat6 cable up to 500 feet
Resolution support:	4:3 -max. 1600x1200 16:10-max. 1440x900
<b>■ IP Remote Console</b>	
Number of IP console:	2
User management:	15-user login, 1 x active user
Browser:	Internet Explorer, Firefox, Safari
Security:	SSL v3, RSA, AES, HTTP / HTTPS, CSR
IP Access:	RJ45 Ethernet per IP console
Resolution support:	4:3-max. 1600x1200

<b>■ Expansion:</b>	Up to 256 servers by 8-level cascade
<b>■ Compatibility:</b>	
Multi-platform:	Mix PCs, SUN and Mac G3 / G4 Mac / iMac
Support:	Windows 7 / Vista / 2003 / XP, Linux, Unix
<b>■ Power</b>	
Input:	AC power adapter
Consumption:	Max. 48 Watt, Standby 5 Watt
<b>■ Regulatory :</b>	
Safety:	cUL, FCC & CE certified
Environment:	RoHS2 & REACH compliant
<b>■ Environmental</b>	
Operating:	0 to 50°C
Storage:	-5 to 60°C
Relative humidity:	90%, non-condensing
Shock:	50G peak acceleration (11ms, half-sine)
Vibration:	58-100Hz / 0.98G (11ms / cycle)

## KVM PORT & CAT6 DONGLE CONNECTION



### IF-DUSBD DVI-USB dongle

- To connect DVI-D connector to the computer's video card
- To connect USB connector to the computer's USB port



### IF-DUSB VGA-USB dongle

- To connect DB-15 connector to the computer's video card
- To connect USB connector to the computer's USB port



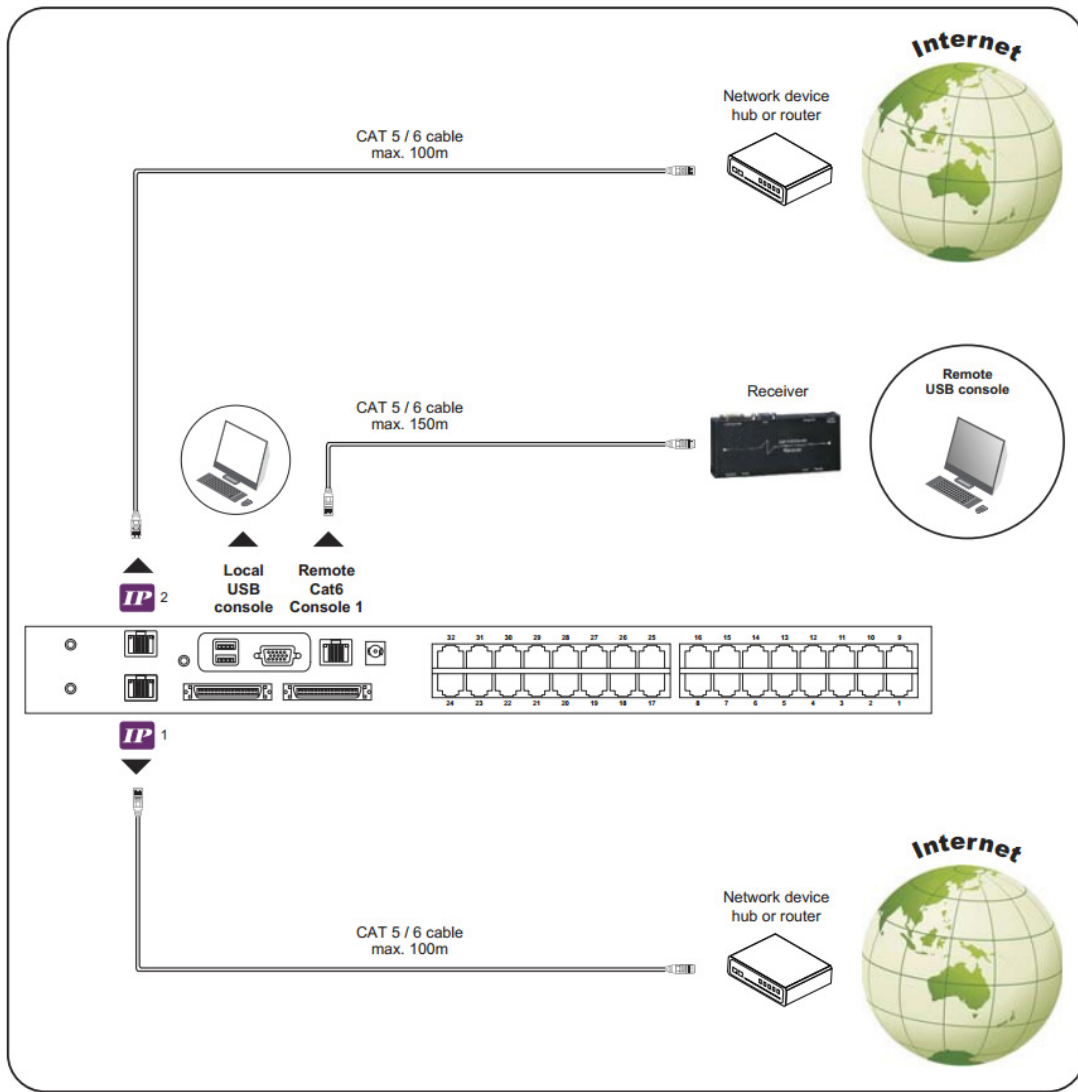
### IF-DPS2 VGA-PS/2 dongle

- To connect DB-15 connector to the computer's video card
- To connect PS/2 keyboard connector to the computer's keyboard port
- To connect PS/2 mouse connector to the computer's mouse port

Cat6 Dongle	EDID Resolution Hard-coded	Resolutions Capable			
		4:3			16:10
		1024 x 768	1280 x 1024	1600 x 1200	1440 x 900
IF-DPS2	1600 x 1200	✓	✓	✓	✓*
IF-DUSB	1600 x 1200	✓	✓	✓	✓*
IF-DUSBD	1280 x 1024	✓	✓	✗	✗

\* Requires the user to enable showing unsupported resolutions via the target computer's video adapter settings (effectively ignoring the DDC / EDID)

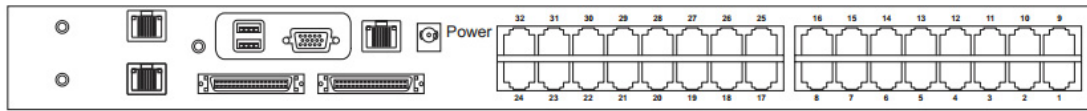
# IP, REMOTE & LOCAL CONSOLE CONNECTION



## KVM CASCADE

- Cascade up to 8 levels, 256 servers
- Cascading multiple KVM with CMC-8 cascade cable

### Master KVM



out — in  
Cascade

To cascade IN port

Slave KVM level 2  MC0116

Slave KVM level 3  MC0116

Up to Level 8



Cascaded KVMs from level 2 to 8 must be the models of MC0116 / MC0132 or M018 / M0116.



When multiple matrix KVMs cascade together, the master KVM at level 1 will take all control of other slave KVM switches (e.g. level 2 to 8).



The slave matrix KVM will be as a port expansion module of the master matrix KVM, the original remote console on slave KVM will be sacrificed and disabled.



### CMC-8

- 8ft Matrix KVM cascade cable