

# HD Video Matrix Controller

Full HD 64ch Splitter

Patent Application

Max up to 4 x HDMI input and re-organizing, displaying them onto single monitor to configure small-sized monitoring system. It is best optimized for monitoring with best picture quality and real-time full frame display.



## Features

### \* Max 64 screen monitoring configured

- DVR max 4pcs supports (HDMI)
- DVR 3pcs / DVR 2pcs supports

### \* Real time, full frame, non-compressed monitoring

- All channels non-compressed best picture quality
- No delayed image speed through HDMI port

### \* Convenient integrated control

- Fully controlled by mouse / keyboard
- Fully control DVR's all feature

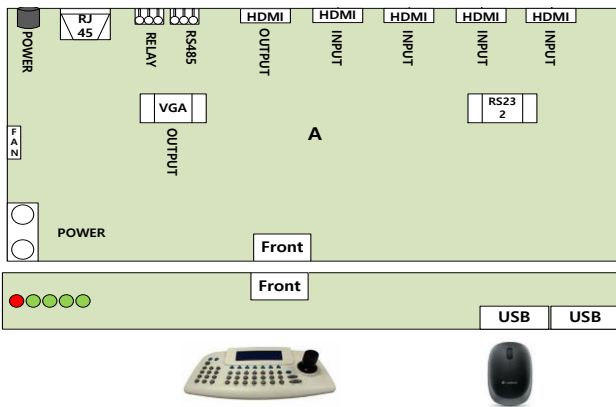
### \* Various mode supports

- 1/16/64ch flexible channel mode switch
- Auto sequential switch feature
- DVR mode: DVR's all features controllable (Live/Playback)
- Matrix mode: Single/Multi channel monitoring

### \* Advantage when configuring monitoring center

- Multi DVRs integrated monitoring without using PC
- Effective space utilization when configuring installation environment (rack1U type)

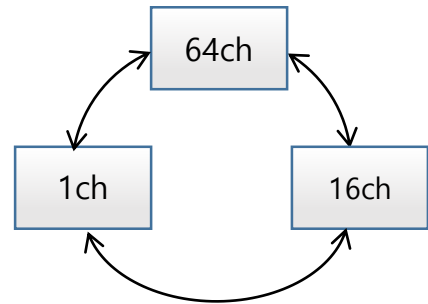
## System Diagram



## Specification

Model	VMC6401
<b>Video Input</b>	
Port	4 HDMI
Format	HDMI : 1080p HDMI 1.3a Standard at HDMI port (with AUDIO)
<b>Video Output</b>	
Port	1 HDMI, 1 VGA(Duplicate)
Format	HDMI : 1080p HDMI 1.3a Standard at HDMI port (with AUDIO) VGA : 1920*1080, 1280x1024, 1024x768
<b>Audio</b>	
Input	4 input: HDMI
Output	1 output : HDMI
<b>Function</b>	
Max client	DVR 4pcs
DVR connection	Network
DVR control	Mouse – All DVR's feature including PTZ, Search, Menu Keyboard controller (WKC-100) - PTZ control
Display Mode	1, 16, 32, 48, 64 division
OSD	Channel name, Event view
Auto Sequence	Auto sequence among DVRs
<b>Network</b>	
Interface	1 Gigabit Ethernet RJ-45 port (10/100/1000Mbps)
<b>Serial &amp; I/O</b>	
Serial port	1 RS-485
Relay Output	1 relay outputs
USB	2 USB 2.0 ports
<b>Environmental Specification</b>	
Working Temperature	+5°C ~ +45°C (+41F ~ +113F)
<b>Electrical Specification</b>	
Power Consumption	DC12V/5A, 20W(TBD)
<b>Mechanical Specification</b>	
Size	483(Wx342(D)x44(H) mm
Weight	3.5 Kg
<b>Certification</b>	
Certificate	FCC, KC, CE, RoHS

## Switching Mode



- DVR mode (16ch)
  - \* DVR mode: DVR's all features controllable (Live/Playback)
- Matrix mode (1ch, 64ch)
  - \* Single/Multi channel monitoring

## DVR configuration (Auto Detection)



DVR  
4pcs  
(64ch)



DVR  
3pcs  
(48ch)



DVR  
2pcs  
(32ch)

## Display re-organization (TBD)



Relocate CH