

# DHI- XVR5208/16AN-4KL

8/16 Channel Penta-brid 4K 1U Digital Video Recorder



- · Embedded processor
- · H.264+/H.264 dual-stream video compression
- · Support HDCVI/AHD/TVI/CVBS/IP video inputs
- · Max 12/24 channels IP camera inputs, each channel up to 8MP
- · Max 48/96Mbps Incoming Bandwidth
- · Smart Search and Intelligent Video System













#### **System Overview**

Throughout the years, HDCVI technology gained international fame for becoming a brand new international standard for video surveillance, and has never stopped evolving. From 2MP to 4MP, now Dahua Technology brings HDCVI into the 4K era. It presents a much clear and vivid world.

As the perfect solution to upgrade existing video surveillance systems, XVR supports penta-brid access technology such as HDCVI, AHD, TVI, CVBS and IP to effortlessly integrate with popular industry formats, offering an affordable solution loaded with flexible options.

Designed as a full compatibility product, XVR is able to provide end user the simplicity of analog system, namely lower system cost, simple installation and use of existing cable. It is ideal for a wide range of applications such as public safety, retail store, transportation, home protection and education.

#### **Functions**

# Smart H.264+

Smart Codec, H.264+ can reduce up to 70% bit rate and storage requirements without having to invest in new cameras.

## HDCVI/AHD/TVI/CVBS Auto-detect

The XVR can auto recognize the signal of front-camera without any setting. It makes operation more friendly and convenient.

# 8MP Resolution

The XVR supports up to 8MP HD resolution (3840 x 2160) HDCVI camera and IP camera input.

#### Coaxial Audio/Upgrade/Alarm

The integrated design can reduce wiring troubles which makes it much more cost-effective and convenient for installation.

## Intelligent Fan Design

The intelligent fan can automatically turn on or turn off according to the CPU temperature. This function can effectively reduce the fan noise to provide a better user experience while extending the life of the fan at the same time.

#### **Spot Output**

It is made for a secondary monitor. This allows the operator to view one special monitor that assigned to selected cameras or video inputs from higher security areas.

#### Intelligent Video System (IVS)

With built-in intelligent video analytics, the XVR has the ability to detect and analyze moving objects for improved video surveillance. The XVR provides optional standard intelligence at the edge allowing detection of multiple object behaviors such as abandoned or missing objects. IVS also supports Tripwire analytics, allowing the camera to detect when a predetermined line has been crossed.

#### Face Detection

It is a type technology being used in a variety of applications that search or identify individuals which show front cameras.

#### Smart Search

This function helps you get more motion detect video during a short time through drawing a region when playback. It is very useful when an emergency occurs.

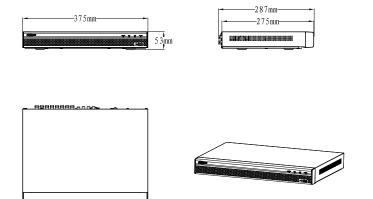


Make Processor   Finished Make Processor   Finished Make Processor   Mak				nd Alarm
Departing System	System		Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzz and Screen Tips
Main	Main Processor	Embedded Processor	Video Detection	
Analog Carmer injust  And Carmer injust injust	Operating System	Embedded LINUX	Alarm input	N/A
### APPO Comera    MK, MMP, 1080Peg25/301/ps, 720Peg25/301/ps   MAPD Camera   MK, MMP, 1080Peg25/301/ps   MAPD Camera   MK, MMP, 1080Peg25/301/ps   MAPD Camera   MK, MMP, 1080Peg25/301/ps   MK, MMP,	Video and Audio		Relay Output	N/A
AHD Camera  SMP_4MM_3MP_1080Pg25/30_720Pg25/30fps  FV Camera  SMP_3MP_1080Pg25/30_720Pg25/30fps  Search Mode  Time (Date, Alam, MD and Exact Search faccurate to secure to Search Mode)  Time (Date, Alam, MD and Exact Search faccurate to secure to Search Mode)  File Camera Input	Analog Camera Input	8/16 Channel, BNC	Playback and Back	up
AHD Camera	HDCVI Camera	4K, 4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps	Playback	
PALIFYED	AHD Camera	5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps	. ia, sack	16CH: 1/4/9/16
P   Camera in jour   Set-/16-98 Channel; each channel up to 8MP   Play Pause, Stop, Rewind, Fast play, Stow Play, Next File   Play Pause, Stop, Rewind, Fast play, Stow Play, Next File   Play Pause, Stop, Rewind, Fast play, Stow Play, Next File   Play Pause, Stop, Rewind, Fast play, Stow Play, Next File   Play Pause, Stop, Rewind, Fast play, Stow Play, Next File   Play Pause, Stop, Rewind, Fast play, Stow Play, Next File   Play Pause, Stop, Rewind, Fast play, Stow Play, Next File   Play Pause, Stop, Rewind, Fast play, Stow Play, Next File   Play Pause, Stop, Rewind, Fast play, Stow Play, Next File   Play Pause, Stop, Rewind, Fast play, Stow Play, Next File   Play Pause, Stop, Rewind, Fast play, Stow Play, Next File   Play Pause, Stop, Rewind, Fast play, Stow Play, Next File   Play Pause, Stop, Rewind, Fast play, Stow Play, Next File   Play Pause, Stop, Rewind, Fast play, Stow Play, Next File   Play Pause, Stop, Rewind, Fast play, Stow Play, Next File   Play Pause, Stop, Rewind, Fast play, Stow Play, Next File   Play Pause, Stop, Rewind, Fast play, Stow Play, Next File   Play Pause, Stop, Rewind, Fast play, Play Stow, Play, Next File   Play, Pause, Stop, Rewind, Fast play, Play, Indison, Stop, Play, Indison, Play, In	TVI Camera	5MP, 3MP, 1080P@25/30, 720P@25/30fps	Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second
Plance   Plance   Playback Function   Provious File, Next Camera, Previous Camera, Full Screen, Repeat, Surface   Playback Function   Provious File, Next Camera, Previous Camera, Full Screen, Repeat, Surface   Playback Function   Provious File, Next Camera, Previous Camera, Full Screen, Repeat, Surface   Playback Function   Provious File, Next Camera, Previous Camera, Full Screen, Repeat, Surface   Provious File, Next Camera, Previous Camera, Full Screen, Repeat, Surface   Provious File, Next Camera, Previous Camera, Full Screen, Repeat, Surface   Provious File, Next Camera, Previous Camera, Full Screen, Repeat, Surface   Provious File, Next Camera, Previous Camera, Full Screen, Repeat, Surface   Provious File, Next Camera, Previous Camera, Full Screen, Repeat, Surface   Provious File, Next Camera, Previous Camera, Full Screen, Repeat, Surface   Provious File, Next Camera, Previous Camera, Full Screen, Repeat, Surface   Provious File, Next Camera, Previous Camera, Full Screen, Repeat, Surface   Provious File, Next Camera, Previous Camera, Full Screen, Repeat, Surface   Provious File, Next Camera, Previous Camera, Full Screen, Repeat, Surface   Provious File, Next Camera, Previous Camera, Full Screen, Repeat, Screen, Surface   Provious File, Next Camera, Previous Camera, Full Screen, Repeat, Screen, Surface   Provious File, Next Camera, Previous Camera, Full Screen, Repeat, Screen, Surface   Provious File, Next Camera, Previous Camera, Provious File, Institute   Provious File, Next Camera, Previous Camera, Provious File, Institute   Provious File, Next Camera, Previous File, Provious File, Provious File, Next Provious File, Provious File, Next Provious File, Provious File, Sansuing, Sanyo, Sorn, Videotec, Vivotek, and more   Provious File, Provious File, Scriego, Provious File, Provious File, Sansuing, Sanyo, Sorn, Videotec, Vivotek, and more   Provious File, Pro	CVBS Camera	PAL/NTSC		Play Pause Stop Rewind Fast play Slow Play Next File
Audio In/Out   17, RCA   Backup Mode   USB Device/Network	IP Camera Input	8+4/16+8 Channel, each channel up to 8MP	Playback Function	Previous File, Next Camera, Previous Camera, Full Screen,
Storage   Storage   Internal HDD   2-SATA Ports, up to 818 capacity for each disk   Internal HDD   2-SATA Ports, up to 818 capacity for each disk   Internal HDD   2-SATA Ports, up to 818 capacity for each disk   SATA   N/A	Audio In/Out	1/1, RCA		Repeat, Shuffle, Backup Selection, Digital Zoom
Compression	Two-way Talk	Reuse audio in/out, RCA	Backup Mode	USB Device/Network
Resolution	Recording		Storage	
Main stream: AK1~7[ps]: SMP[1-12[ps]: AMP[3MP[1-15[ps]: ]   SMP   1080P[7720P[90ch]D7,(EIF[07:5730[ps])   USB   2USB Ports (1 USB 2.0, 1 USB 3.0)     SMP	Compression	H.264+/H.264	Internal HDD	2 SATA Ports, up to 8TB capacity for each disk
USB   2USB Ports (1 USB 2.0 , 1 USB 3.0)	Resolution	4K, 5MP, 4MP, 3MP, 1080P, 720P, 960H, D1, CIF, QCIF	eSATA	N/A
Substram=60H(1-15fps);   D1/CIF/QCIF(1-25/30fps)   R5.232   N/A		Main stream: 4K(1~7fps); 5MP(1~12fps); 4MP/3MP(1~15fps);	Auxiliary Interface	
D1/CIF/QCIF(1"=28/30 fps)	Record Rate		USB	2USB Ports (1 USB 2.0 , 1 USB 3.0)
Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop  Record Interval  1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec  Display  Construction  Dimensions  10, 375mm×287mm×53mm (14.8" x 11.3" x 2.1")  Net Weight  2.35kg (5.2 lb) (without HDD)  Cross Weight  1.280x720, 1024x768  When IP extension mode not enabled: 8CH: 1/4/8/9/16/25  When IP extension mode enabled: 8CH: 1/4/8/9/16/25  OSD  Camera title, Time, Video loss, Camera lock, Motion detection, Recording  Network  Interface  1 RJ-45 Port (1000M)  Network  Interface  1 RJ-45 Port (1000M)  ATTP, TCP/IP, IPV-4/IPV-6, UPPR, RTSP, UDP, SMTP, NTP, DHCP, DNS, FTP, Alarm Server, P2P, IP Search (Support Dahua IP camera, DVR, NVS, etc.)  Max. User Access  128 users  Smart Phone  Iphone, IPad, Android  Interoperability  ONVIF 2.42, CGI Conformant  Power Supply  Electrical  BCH-DC12V/AA  16CH-DC12V/AA  16CH-DC12V/SA  Power Consumption  215W (Without HDD)  Construction  10, 375mm×287mm×53mm (14.8" x 11.3" x 2.1")  Net Weight  2.35kg (5.2 lb) (without HDD)  Gross Weight  3.2kg (7.05lb)  Installation  Desktop installation  Environmental  Operating Conditions  -10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH  Storage Conditions  -10°C ~ +55°C (+14°F ~ +158°F), 0~ 90% RH  Third-party Support  Third-party Support  Certifications  Certifications  FCC: Part 15 Subpart B  FCC: Part 15 Subpart B  Certifications  Certifications		, , , ,		
Record Mode   detection. Motion Detection, Video Loss, Tampering), Alarm, Stop   Power Supply   BCH:DC12V/4A   16CH:DC12V/5A   Power Consumption   1° 60 min (default: 60 min), Pre-record: 1° 30 sec, Post-record: 10° 300 sec   Power Consumption   10° 700 sec   Power Consumption   10° 700 sec   Power Consumption   10° 700 sec   10° 70° 70° 70° 70° 70° 70° 70° 70° 70° 7	Bit Rate	1Kbps ~ 6144Kbps Per Channel	RS485	1 Port, for PTZ Control
Stop   Power Supply   8CH-DC12V/4A   16CH-DC12V/5A   16CH-DC	December 1		Electrical	
Power Consumption	Record Mode	Stop	Power Supply	
Interface 1 HDMI, 1 VGA Dimensions 1U, 375mmx287mmx53mm (14.8" x 11.3" x 2.1")  HDMI:3840×2160, 2560×1440, 1920×1080, 1280×1024, 1280×720, 1024×768 VGA: 1920×1080, 1280×1024	Record Interval		Power Consumption	<15W (Without HDD)
HEREFACE  HDM::3840x2160, 2560x1440, 1920x1080, 1280x1024, 1280x1024, 1280x720, 1024x768  VGA: 1920x1080, 1280x1024, 1280x720, 1024x768  When IP extension mode not enabled: 8CH: 1/4/8/9 16 When IP extension mode enabled: 8CH: 1/4/8/9/16 When IP extension mode enabled: 8CH: 1/4/8/9/16 Sech: 1/4/	Display		Construction	
Resolution    1280x720, 1024x768   VGA: 1920x1080, 1280x1024, 1280x720, 1024x768   Installation   Desktop installation	Interface	1 HDMI, 1 VGA	Dimensions	1U, 375mm×287mm×53mm (14.8" x 11.3" x 2.1")
VGA: 1920×1080, 1280×1024, 1280×720, 1024×768  When IP extension mode not enabled: 8CH: 1/4/8/9 16CH: 1/4/8/9/16 When IP extension mode enabled: 8CH: 1/4/8/9/16 16CH: 1/4/8/9/1		HDMI:3840×2160, 2560×1440, 1920×1080, 1280×1024, 1280×720, 1024×768	Net Weight	2.35kg (5.2 lb) (without HDD)
When IP extension mode not enabled: 8CH: 1/4/8/9/16 Multi-screen Display  Environmental  Operating Conditions  -10°C ~+55°C (+14°F ~ +131°F), 0~90% RH  Storage Conditions  -20°C ~+70°C (-4°F ~ +158°F), 0~90% RH  Third-party Support  Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP PI Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more  HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server,P2P, IP Search (Support Dahua IP camera, DVR, NVS, etc.)  Max. User Access  128 users  Max. User Access  128 users  FCC: Part 15 Subpart B  CE: CE-LVD: EN 60950-1/IEC 60950-1  CE: CE-LVD: EN 60950-1/IEC 60950-1  CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130	Resolution		Gross Weight	3.2kg (7.05lb)
Multi-screen Display  16CH: 1/4/8/9/16 When IP extension mode enabled: 8CH: 1/4/8/9/16 16CH: 1/4/8/9/16 16CH: 1/4/8/9/16/25  OSD  Camera title, Time, Video loss, Camera lock, Motion detection, Recording  Third-party Support  Network  Interface  1 RJ-45 Port (1000M)  Third-party Support  Third-party Support  Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Pl Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more  HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, P2P, IP Search (Support Dahua IP camera, DVR, NVS, etc.)  Max. User Access  128 users  FCC: Part 15 Subpart B  Certifications  Certifications  Certifications  Certifications  Certifications		When IP extension mode not enabled: 8CH: 1/4/8/9 16CH: 1/4/8/9/16 When IP extension mode enabled: 8CH: 1/4/8/9/16 16CH: 1/4/8/9/16/25	Installation	Desktop installation
When IP extension mode enabled: 8CH: 1/4/8/9/16/25  Operating Conditions  -10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH  Storage Conditions  -20°C ~ +70°C (-4°F ~ +158°F), 0~ 90% RH  Third-party Support  Network  Interface  1 RJ-45 Port (1000M)  HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPP6E,DDNS, FTP, Alarm Server,P2P, IP Search (Support Dahua IP camera, DVR, NVS, etc.)  Max. User Access  128 users  Smart Phone  iPhone, iPad, Android  Interoperability  ONVIF 2.42, CGI Conformant  Operating Conditions  -10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH  -10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH  -10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH  -10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH  -10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH  -10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH  -10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH  -10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH  -10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH  -10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH  -10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH  -10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH  -20°C ~ +70°C (-4°F ~ +158°F), 0~ 90% RH  -10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH  -10°C ~ +50°C (+10°F ~ +158°F), 0~ 90% RH  -10°C ~ +70°C (-4°F ~ +158°F), 0~ 90% RH  -10°C ~ +70°C (-4°F ~ +131°F), 0~ 90% RH  -10°C ~ +70°C (-4°F ~ +131°F), 0~ 90% RH  -10°C ~ +70°C (-4°F ~ +131°F), 0~ 90% RH  -10°C ~ +70°C (-4°F ~ +158°F), 0~ 90% RH  -10°C ~ +70°C (-4°F ~ +158°F), 0~ 90% RH  -10°C ~ +70°C (-4°F ~ +158°F), 0~ 90% RH  -10°C ~ +158°F), 0~ 90% RH  -10°C ~ +70°C (-4°F ~ +158°F), 0~ 90% RH  -10°C ~ +158°F), 0~ 90%	Multi-screen Display		Environmental	
Camera title, Time, Video loss, Camera lock, Motion detection, Recording  Third-party Support  Third-party Support  Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Pl Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more  HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, P2P, IP Search (Support Dahua IP camera, DVR, NVS, etc.)  Max. User Access  128 users  FCC: Part 15 Subpart B  Interoperability  ONVIF 2.42, CGI Conformant  Certifications  Certifications  Certifications			Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH
Max. User Access  128 users  Max. User Access  128 users  Max. User Access  128 users  129 users  120 users  1			Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F) , 0~ 90% RH
Interface 1 RJ-45 Port (1000M)  Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Pl Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more  HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server,P2P, IP Search (Support Dahua IP camera, DVR, NVS, etc.)  Max. User Access 128 users  FCC: Part 15 Subpart B  Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Pl Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more  Certifications  FCC: Part 15 Subpart B  CE: CE-LVD: EN 60950-1/IEC 60950-1  CE: CE-LVD: EN 60950-1/IEC 60950-1  CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130	OSD		Third-party Suppor	rt
Interface  1 RJ-45 Port (1000M)  Third-party Support  Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more  HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server,P2P, IP Search (Support Dahua IP camera, DVR, NVS, etc.)  Certifications  FCC: Part 15 Subpart B  IPhone, iPad, Android  CE: CE-LVD: EN 60950-1/IEC 60950-1  ONVIF 2.42, CGI Conformant  Certifications	Network			
HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server,P2P, IP Search (Support Dahua IP camera, DVR, NVS, etc.)  Max. User Access  128 users  FCC: Part 15 Subpart B  Smart Phone  iPhone, iPad, Android  CE: CE-LVD: EN 60950-1/IEC 60950-1  ONVIF 2.42, CGI Conformant  Certifications	Interface	1 RJ-45 Port (1000M)	Third-party Support	Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo,
Smart Phone iPhone, iPad, Android CE: CE-LVD: EN 60950-1/IEC 60950-1 Interoperability ONVIF 2.42, CGI Conformant Ce-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130	Network Function	DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server,P2P, IP Search	Certifications	John, videotee, vivotek, and more
Smart Phone   iPhone, iPad, Android   CE: CE-LVD: EN 60950-1/IEC 60950-1	Max. User Access	128 users		FCC: Part 15 Subpart B
Interoperability ONVIF 2.42, CGI Conformant Certifications CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130	Smart Phone	iPhone, iPad, Android		
	Interoperability	ONVIF 2.42, CGI Conformant	Certifications	CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130

# Lite Series | DHI-XVR5208/16AN-4KL

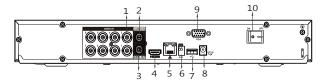
Ordering Information				
Туре	Part Number	Description		
8/16 Channel	DHI-XVR5208AN-4KL	8 Channel Penta-brid 4K 1U Digital Video Recorder		
XVR	DHI-XVR5216AN-4KL	16 Channel Penta-brid 4K 1U Digital Video Recorder		

# **Dimensions (mm)**



# **Rear Panel**

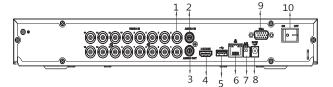
DHI-XVR5208AN-4KL



- 1 VIDEO IN
- 6 RS485 Interface
- 2 AUDIO IN, RCA Connector
- USB Interface
- 3 AUDIO OUT, RCA Connector
- 8 DC 12V Power Input
- 4 HDMI Interface
- VGA Interface
- 5 Network Interface
- 10 Power Switch

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DHI-XVR5216AN-4KL



- 1 VIDEO IN
- Network Interface
- 2 AUDIO IN, RCA Connector
- 7 RS485 Interface
- 3 AUDIO OUT, RCA Connector
- 8 DC 12V Power Input
- 4 HDMI Interface
- 9 VGA Interface
- 5 USB Interface
- 10 Power Switch

