

High resolution video Output

Model	VCND-20	VCND-60	VCND-90	VCND-92
	VCNA-20	VCNA-60	VCNA-90	VCNA-92
	VCND-U20	VCND-U60	VCND-U90	VCND-U92
	VCNA-U20	VCNA-U60	VCNA-U90	VCNA-U92
Resolution (Max.)	1280 x 1024	1600 x 1200	1920 x 1080	1920 x 1200 2048 x 1152



User's Manual

xtraViU Series: Video Extender Over LAN (or USB)

Model Number	Resolution Max.	Platform	Input Connector	Output Connector (w/Built-in cable)
VCND-20	1280 x 1024			
VCND-60	1600 x 1200			
VCND-90	1920 x 1080	Windows	LAN (RJ-45)	DVI-D Male
VCND-92	1920 X 1200 2048 x 1152			
VCNA-20	1280 x 1024			
VCNA-60	1600 x 1200			
VCNA-90	1920 x 1080	Windows	LAN (RJ-45)	HDB15 Male
VCNA-92	1920 X 1200 2048 x 1152			
VCND-U20	1280 x 1024			
VCND-U60	1600 x 1200			
VCND-U90	1920 x 1080	Windows/ Mac	LAN (RJ-45) + USB-B	DVI-D Male
VCND-U92	1920 X 1200 2048 x 1152			
VCNA-U20	1280 x 1024			
VCNA-U60	1600 x 1200			
VCNA-U90	1920 x 1080	Windows/ Mac	LAN (RJ-45) + USB-B	HDB15 Male
VCNA-U92	1920 X 1200			
	2048 x 1152			

Extend DVI/VGA signal over LAN or USB interface from a single source computer to a single display

- * UP TO FOUR xtraViU series through the USB 2.0 ports can be connected at a time, enjoying multiple windows on the multiple monitors, increasing your productivity like never before!
- * The driver installation procedure and software operations may differ from version to version, that may cause the snapshot on this user's manual slightly differ from others without affecting the function.
- * The final specifications are based on the actual product.
- * Features and functions may be added or changed since the manual was written. Please visit our website to download the latest version of manual for reference
- * To prevent damages to your installation, it is important that all devices are properly grounded.



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Please read this manual thoroughly and follow the **Installation** procedures to prevent any damage to the unit or any connecting device

Rohs FC CE VCI

----- Introduction

xtraViU Series, Video Extender Over LAN (or USB), VCND / VCNA--provides LAN connectivity via CAT5 cable (or USB cable connection) for DVI / VGA extension from a single video source to a single video display device with maximum resolution up to SXGA(1280 x 1024) / UXGA(1600 x 1200) / Full HD (1920 x 1080). The installation can be easily achieved with an easy 2-step process---installing the driver and connecting both the display and Hub (or source computer) to the VCND / VCNA Unit by Video and CAT5e cables (or USB A-B cable) respectively. It supports most of the popular Windows systems. Better yet, the USB-capable models VCNx-Uxx also support Intel-based Mac OS system for extending video via USB connection. Users can have two displays at both the local and remote locations from the same video source and up to 4 Units can be daisy chained at a time.

The connected monitor can be configured to either clone the primary screen, or extend the Windows desktop allowing visibility of more applications at the same time such as while reading the email on one monitor, open the attachment on the other monitor.

With its portability and small footprint, it can be plugged in quickly to deliver high definition signal to a projector or monitor display from a PC or other media repository, which is perfect for situations that require immediate video signal extension with easy set up and high quality output such as applications on public broadcasting, exhibits, courtrooms, classrooms, boardrooms, stock tickers, bus stations etc.



----- Features

- Extend video signal transmission by using the existing LAN system without additional wiring
- Easily add a second even the third display via the Ethernet (or USB) port
- Small profile for convenient installation and save space
- Up to 4 Units can be daisy chained and connected to an Ethernet Hub at a time
- Perform the multiple windows on the multiple displays and increase the productivity like never before
- Both of extend and clone mode are available
- Demonstrate media files and DVDs in either extend or clone mode
- Support the high resolution up to UXGA(1600 x 1200)/ Full HD (1920 x 1080) and 2048 x 1152 for certain models
- Easy to get and install the standard cable at lower cost
- Ideal for applications on public broadcasting, exhibits, retail stores, courtrooms, classrooms, boardrooms, stock tickers, bus stations, etc.
- Fully support Windows 2000 SP4, Windows XP SP2 or SP3, Windows Vista SP1/SP2, Windows 7
- The USB-capable models VCNx-Uxx also support Intel-based Mac OS 10.4/10.5 for the video extending via USB connection

Packing Checklist

 1. xtraViU Unit
 x 1

 2. Power Adapter with necessary AC Cord Or
 x 1

 Plug-in Power Adapter Or
 x 1 (select only one of three)

 Or
 x 1

 USB power cable
 x 1

 3. CD with the driver & User's Manual
 x 1

 4. USB A-B Cable
 x 1 (for VCNx-Uxx only)

 5. Foot Pad Set
 x 1

Optional

Magnetic foot pads with necessary screws x 1 set

(Avoid locating it near any strong sources of electromagnetic radiation such as CRT monitors, high power electric cabling, audio equipments, and tape recorders)

★System Requirement

Network: Supports 100/1000 Mbps of bandwidth. Display: Monitor(s) or Projector(s) Computer (Windows Vista):

- WEI (Windows Experience Index) score of at least 3.0 overall. The recommended hardware depends on the display resolution: 1366x768: overall WEI score of at least 3.5 1920x1080 (HD): overall WEI score of at least 4.0
- 2. VGA or DVI video card
- 3. CD-ROM or DVD drive
- 4. At least one USB 2.0 port (optional)

Computer (Windows 2000/XP/7) based on full screen DVD Display:

- 1.1. For 1-2 monitors, business usage, productivity target. This may not provide full frame rate DVD playback at full screen:
 - 1.2GHz Single Core CPU (Celeron or Atom N270 for example)
 - 512MB memory
- 1.2. For 3 monitors where 1 could run DVD video while also targeting productivity and business apps. Will support only 1 video of DVD resolution at full screen:
 - 1.6GHz CPU
 - 1GB memory
- 1.3. For 4 monitors where 1 screen can run full screen DVD video:
 - 1.8GHz Core Duo
 - 1GB memory
- 2. VGA or DVI video card
- 3. CD-ROM or DVD drive
- 4. At least one USB 2.0 port (optional)
- NOTE: More Unit connections for signal simultaneous transmission, more computer resources may be consumed.

★Additional Requirement

The Unit software can be installed on any desktop or laptop system running Windows 2000 SP4, Windows XP SP2 or SP3, Windows Vista SP1/SP2 32-bit and 64-bit editions, Windows 7 and Intel-based Mac OS 10.4/10.5 . Any predecessor versions of the Windows or other platforms that are not mentioned here won't be supported by any drives currently.

Depending on the interconnection deployments that include video extending via LAN and video extending via USB, users can select the appropriate Unit software driver from the provided CD for the driver installation to the source computer.

- For the source computer running Windows 2000 SP4, Windows XP SP2 or SP3, Windows Vista SP1/SP2 32-bit and 64-bit editions, and Windows 7, the scheme of video extending via LAN can be implemented by using any model of xtraViU Series, and the scheme of video extending via USB can be implemented by using USB-capable models (VCNx-Uxx).
- For the source computer running Intel-based Mac OS 10.4/10.5, the scheme of video extending via USB can be implemented by using USB-capable models (VCNx-Uxx), and the scheme of video extending via LAN is impracticable in this platform.

For the details of driver installation, please proceed to the sections entitled "Windows 2000/XP/Vista/7" or "Intel-based Mac OS 10.4/10.5"

NOTE: Long cable lengths between the Units and source computer may adversely affect image quality at high resolutions and refresh rates. If users need to run remote displays at high resolutions and frequencies, use as little Ethernet cabling between locations as possible and avoid practices such as "coiling" unused cable in a ceiling or behind the display.

(USB A-B Cable for connection between the source computer and the **Unit** should not exceed 5 meters.)

----- Product Description

Figures listed below illustrate typical applications of **xtraViU** series. The model you have purchased may be slightly different from those described in the figures.



Extend the video via the Local Area Network system





-----Connection

- 1. Install the software to the computer first before the physical installation
- 2. Prior to the installation, ensure to power off all devices that will be connected to this system.
- 3. Ensure that all devices you will connect are properly grounded.
- 4. Place cables away from fluorescent lights, air conditioners, and machines that are likely to generate electrical noise.
- 5. Avoid locating the magnetic foot pad near any strong sources of electromagnetic radiation such as CRT monitors, high power electric cabling, audio equipments, especially tape recorders, which are very sensitive to electron-magnetic fields.

Connection Patterns

- For the maximum capability and extension, up to 4 Units can be daisy chained and connected to an Ethernet Hub at a time.
- Connect the provided power cord into an appropriate power source and plug the opposite end into the power connector on the xtraViU Unit. The POWER LED on the top panel of the Unit flashes GREEN-BLUE followed by steady GREEN indicating the power ON.
- Use a DVI (for VCND) or VGA (for VCNA) cable for the connection between xtraViU Unit and the monitor display.
- For LAN connection pattern, use CAT5e cables for the connection among the xtraViU series, source computer, and Ethernet Hub. The LAN LED on the top panel of the Unit flashes BLUE to confirm the connection.
- For USB connection pattern, use a USB A-B cable for the connection between the source computer and the USB-capable xtraViU models (VCNx-Uxx only). The USB LED on the top panel of the Unit illuminates BLUE to confirm the connection.
- NOTE: The driver installation procedure and software operations may differ from version to version, that may cause the snapshot on this user's manual slightly differ from others without affecting the function.

----- Windows 2000/XP/Vista/7

Driver Installation

The source computer running Windows 2000/XP/Vista/7 is required to install the appropriate Unit software according to the interconnection deployment method that could be *Extending the video via the Local Area Network system* or *Extending the video via USB*. Please follow the instructions below listed step by step for your driver installation.

All the prompt screens and dialog boxes shown in this section are for Windows 2000/XP/Vista/7. Some dialog boxes and folders may slightly different in other versions of Windows.

Extend the video via the Local Area Network system

Unit compatible with this application: All xtraViU Series

- Install the XtraViU_NET driver (Windows 2000/XP/Vista/7)
 - Insert the CD into the CD/DVD-ROM drive, and then browse: X:\ Windows\ XtraViU_NET\ USBServer_XtraViU_NET_xx Double-click the file "USBServer_XtraViU_NET_xx" to begin the Installation (The version of driver may vary, please contact your local dealer for the latest driver).



2. Restart your computer after the installation completed.



3. After Windows has been loaded, users can find a shortcut "Launch USB Server" on the Windows desktop. Follow the procedure outlined below to avoid complications at the configuration stage.

- 3-1) Confirm proper operations of each of the monitor(s) to be connected to the xtraViU Unit
- 3-2) Switch OFF the power of monitor(s)
- 3-3) Confirm that your network is operating normally and keep your computer online
- 3-4) Connect the **xtraViU** Unit RJ-45 Connector to the network by using an Ethernet CAT5 cable
- 3-5) Connect the xtraViU Unit to the monitor and switch on each connected monitor
- 3-6) Power ON the the xtraViU Unit
- 4. When the xtraViU Unit is powered ON, double-click on the shortcut "Launch USB Server", a Pop-Up Screen indicating the current connecting Status.



Red: The device is currently occupied Green: The device is active on the network Orange: The device is currently connected to your computer



Press "Config" to link to the active device on the network

Extend the video via USB

Unit compatible with this application: VCNx-Uxx Series

- Install the xtraviU driver (Windows 2000/XP/Vista/7)
 - Insert the CD into the CD/DVD-ROM drive and browse: X:\ Windows\ XtraviU\ XtraViU_5.x.xxxxx Double-click on the "XtraViU_5.x.xxxxx" file to begin the installation (The version of driver may vary, please contact your local dealer for the latest driver)



2. Use an USB A-B Cable to connect the **xtraViU Unit** to your computer after the installation completed.

DisplayLink Core Software	
Please wait while Windows configures DisplayLink Your screens may temporarily go black or flash du	: Core Software. ing this process.
Gathering required information	
	Cancel

3. Power ON the xtraViU Unit and you can find this icon in the System Tray:



Operations

Extend the video via the Local Area Network system

Unit compatible with this application: All xtraViU Series

 Using USB Server (Windows 2000/XP/Vista/7) The USB Server, a Graphical User Interface (GUI), is a useful tool to set up multi-xtraViU Units for your computer video output display.
 When you launch the USB Server (programs\ Network USB\ USB Server\ Launch USB Server), it will automatically search the active xtraViU Units in the same network segment and you will see these active devices listed in the USB Server screen as the following figure shown.



By default, the **xtraViU Unit** gets the IP Address from DHCP server automatically. The PC's IP Address must be in the same subnet as the **xtraViU Unit's** IP Address for the two devices to communicate. (For example, if **xtraViU Unit's** IP Address is 192.168.1.104, with a subnet mask of 255.255.255.0, then your computer's IP Address should be 192.168.1.x, where x is a value between 1~254, excluding 104.)

NOTE: To add additional xtraViU Units, simply connect them to the network. A maximum total of 4 Units can be expanded.



Network Configuration

If your network doesn't have or support DHCP Server, please assign a unique IP for each connected xtraViU Unit.

Step 1. Select the device on the list and press "Config"



Step 2. On the Pop-Up window, you can find "Network" button on the left bar

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😥 🧭 Generic USB Server		Q + 0 + 8 + 2Me+01	lash v
16-25	Easting Restored	che Confusion in General Server Design	
Status			
Sintery A	Server Information		
Reset Device Server Name	USB Sever		
tory Default	Generic		
ware Update Rodel	USB Sever		
and Change Remaine Version	V. 100-070		
Server UP. Time	0 days, 0 hours, 44 minutes, 36 second		
	Device 1 Information		
Device Name	DisplayLink Raidton VOUD-50		
Link Status	Online		
Device Status	Ready		
Current User			
	Cevice 2 Information		
Device Name			
Link Status			
Onvice Status			
Current Dear			
	Device 3 Information		
Device Name			
Link Status			
Device Status			
Current User			
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A CONTRACTOR OF THE OWNER		100000000000000000000000000000000000000	

Step 3. Click the "Network" button to enter the IP setting page and set a valid IP address for the **xtraViU Unit**

Ceneric USB Server - Windows Internet Eighner			
• @ http://192.044.125/		· fy X Live Search	- Q
le Edit Vew Favorites Tools Help	€ Convert + É Select		
🔅 🧭 Generic USB Server		Q + □ + ⊕ + ⊙	hipi + () Tooh +
	Leading the Bradistion in Ministratical Server Oraiga		
Network			
Network	Network Information	() () () () () () () () () ()	
laset Device IP Setting	Fixed IP		
ectory Default IP Address	192 168 1.25		
Subnet Mask	255 255 255 0		
Invoid Change MAC Address	00.24 10:00:02		
	Network Setting	(
DHCP Setting	Disable +		
IP Address	192 168 1 25		
Subnet Mask	255 255 255 0		
Server Name	USB Server		
Password	"Rust Provide E Available"		
	Submit Clear		



- NOTE: The PC's IP Address must be in the same subnet as the xtraViU Unit's IP Address for the devices to communicate.
- NOTE: No password is set by factory defaults.

Setup Button: Restore Factory Defaults

Users can reset the **xtraViU Unit** back to its original state (Factory Default Settings) through a pinhole Setup Button (as the figure shown below). This feature is helpful for some circumstances, such as IP or password lost or forgotten, etc.. The following procedure will guide you through this process:

Warning: This is a data-destructive process. It is strongly recommended that you backup any/all data from the xtraViU Unit before starting the restore.



Setup Button

- Step 1. Make sure that the xtraViU Unit is powered on. In this state, the POWER LED on the top panel of the Unit should emit steady GREEN light indicating that the power is ON.
- Step 2. Press and Hold the setup button 3 seconds with a paper clip or pencil tip. The POWER LED will flash blue light once followed steady GREEN light indicating that the factory defaults are restored.
- NOTE: By default, no password is set to the xtraViU Unit that is set to automatically get the IP Address from DHCP server

Extend the video via USB

Unit compatible with this application: VCNx-Uxx Series

• Using Menu Bar Control (Windows 2000/XP/Vista/7)

Once the software and hardware of the **xtraViU Unit** are properly installed and connected, the user can easily find the icon located in the lower right corner of desktop as the snapshot shown below, click on it to bring up the following screen. By default, the **xtraViU Unit** is set to Extend mode. (Any of icon selection from this bar will achieve the screen setting to the extra screen-the secondary screen.)

Updates	_	
Screen Resolution	× .	
Color Quality	× .	
Screen Rotation	•	
Extend To	•	
Extend	- 8	
Set as Main Monitor	- 11	
Notebook Monitor Off	- 8	
Mirror	- 8	
Off		
Advanced		

1. Screen Resolution

The user can select a desired resolution by accessing to "Screen Resolution" listed in the icon as the following figure shown



NOTE: the resolution options may vary from monitor to monitor. Check the capability for your monitor.

2. Color Quality

The user can select either 16 bits color depth or 32 bits color depth for operations.



3. Screen Rotation

The user may rotate the extra screen to the desired angle for certain applications.



Normal: keeps the extra screen with the same angle as the primary screen.

Rotated Left: rotates the extra screen 90 degree clockwise.

Rotated Right: rotates the extra screen 90 degree counterclockwise. Upside-Down: rotates the extra screen 180 degree.



Normal



Rotated Left



Rotated Right

4. Extend To



Upside-Down

Allows the user to set the extra screen extend to the above, below, left, and right of the primary screen.



In Extend Mode, the monitor attached to the **xtraViU Unit** forms part of the extended windows desktop. The extra desktop area is a great productivity aid, allowing more applications or documents to be visible at a time.



5. Set as Main Monitor

Allow the user to set the extra screen as the primary screen

NOTE: Please check the capability of your extra monitor first before you try to perform this configuration.

6. Notebook Monitor Off

After setting the extra screen as the primary screen, the user can turn off the laptop screen and continue the laptop operation without any obstacle. (The extra screen will replace the laptop screen)

7. Mirror

Allow users to set the extra screen as a clone of the primary screen.



Primary screen

Extra screen

8. Off

Allow users to turn off the extra screen.

9. Advanced

Provide more options for settings as following shown.

Display selection





Resolution and Color Quality Settings

 Refresh Rate: Click "Advance" → "Adapter" → "List all mode...", all valid combinations of resolution, color quality and refresh rate are fully listed here. Flat panel monitors do not flicker and require a low refresh rate.



Standby and Hibernate, Shut down and Restart

If a computer/laptop connecting to an **xtraViU Unit** is placed into standby or hibernate mode, the display goes blank. When the computer/laptop is again powered up (and unlocked if necessary) the connected monitor returns to the same mode as it was before stand by or hibernate.

If the computer/laptop is shut down, restarted and logged in, again the connected display returns to the same mode as it was before shutdown.

Disconnect the xtraViU Unit

If the **xtraViU Unit** is powered off or the USB cable is removed from the computer, the display blanks. All windows and icons move to the primary screen.

Once the computer is reconnected or the **xtraViU Unit** is powered up, the display returns to the same mode as it was before disconnection or powered off. However, windows and icons that were previously on the screen will not be moved back.

----- Intel-based Mac OS 10.4/10.5



In addition to compatible with Windows 2000/XP/Vista/7, the USB-capable models, VCNx-Uxx, provide a better platform flexibility in supporting Intel-based Mac OS 10.4/10.5 for extending video via USB. Please follow the instructions below listed step by step for the driver installation.

All the prompt screens and dialog boxes shown in this section are for Intel-based Mac OS 10.4/10.5. Some dialog boxes and folders may slightly different in other versions of operating system.

Driver Installation

Unit compatible with this application: VCNx-Uxx

1. Insert the Driver CD into the CD/DVD-ROM drive, then browse through the CD and locate the "XtraViU_xxxxx.dmg" file. Double-click on this file to begin the Installation



2. Double-click the "Software Installer" to install the software



3. Once the installation is complete, click the "Restart" button. The computer will reboot automatically

	Installation completed successfully
 Introduction License Destination Select Installation Type Installation Summary 	Install Succeeded
	Click Restart to finish installing the software.

4. After the computer has been restarted, plug in the xtraViU Unit to an available USB 2.0 port. The xtraViU Unit should now be ready to use

Operation

Unit compatible with this application: VCNx-Uxx

Using Menu Bar Control (Intel-based Mac OS 10.4/10.5) Once software has been installed to the Mac, simply plug each xtraViU Unit connected with display into the Mac. You can now use up to 4 additional monitors. When attaching a monitor to your Mac, by default, the monitor will be extended to the right of the main display.

Configuring Display from the Menu Bar

Check the "Show displays in menu bar" in Display Preference then you can configure displays by clicking the display icon in the menu bar.



Detect Displays: Detect all displays connected to the Mac. Turn On/ Off Mirroring: Turn display mirroring on/off

```
Color LCD
1024 x 768, Millions
1344 x 840, Millions
v 1440 x 900, Millions
```

: Set the resolution of the primary display.

```
HP LP2475w
1024 x 768, 75 Hz, Millions
1600 x 1200, 60 Hz, Millions

✓ 1680 x 1050, 60 Hz, Millions
```

: Set the resolution of additional display(s)

Number of Recent Items: Configure how many "recent resolutions" should be shown in this menu.

Display Preferences: Open "Display Preferences"

1. Screen Resolution

To change the resolution for the display preference, select an available resolution by accessing to the path:

Menu bar→ Display Preference→ Gather Windows

< > Show All	Color LCD		10 LP2435m
	lay Anangement Color	Institutions	Display Color
Resolutions: 800 + 500 800 + 600 (stretched) 1014 + 640 1014 + 768 (stretched) 1152 + 776 (stretched) 1240 + 800 1444 + 840 1444 + 840	Colors: Millions B Refresh Rate: 1 Gene Unitype Gather Windows M Show displays in menu har ()	720 x 400 600 x 600 832 x 824 1024 x 768 1153 x 870 1280 x 960 1280 x 950 1280 x 1024 1000 x 1000 1600 x 1200 1660 x 1200	Celera: Millions 1 Refeash Rate (60 Searce 1 Center Daulays Cather Mindow Rate (Standard 1
Brightness:	0		

The resolution availability depends on both the xtraViU Unit and the capabilities of the connected display.

2. Screen Rotation

If you wish to rotate the display(s), you can configure the orientation by dropping down the "Rotate". Select the appropriate angle of rotation to match your display's set up by accessing through the path: Menu bar \rightarrow Display Preference \rightarrow Gather Windows \rightarrow Rotate

Display Color
Resolutions: 720 x 400 Colors: Millions 4
800 x 600 Rafeeta Rase 60 meg 80 meg 102 x 610 100 x 600 100 meg 100 meg 100 meg 102 x 800 100 x 800 100 meg <

NOTE: Each time any settings the user made to the mode, rotation, resolution, frequency or depth are remembered for next time the user switch back.

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3. Display Positions

If your computer is connected to more than two displays, you can specify that some are mirrored displays and others show the extended desktop. A mirrored display shows the same content as the main display whereas an extended display will be an extension to your existing desktop. You can arrange your displays so that they match the physical layout of your displays by selecting the 'Arrangement' pane within Display Preferences. This ensures that you can easily navigate among all connected displays.



To move the position of a display, click and hold the display you wish to move then drag it to the desired position. The display will be highlighted with a red border whilst you are moving the display to its new position.

NOTE: To extend connected displays, make sure that the "Mirror Display" on the 'Arrangement' pane is unchecked.

4. Mirror

When in Mirror mode, additional displays will display what is being shown on the primary display. Checking the "Mirror Display" on the 'Arrangement' pane enables this feature.



5. Set as Main Monitor

You can change the main display by moving the Menu Bar among displays. Changing the main display affects where new windows appearance and the position of the Dock. The 'Menu Bar' can be moved so that it is shown on an alternative display. Clicking the white menu bar and dragging it to the desired display will perform this action.



6. Use both extended and mirrored displays

To work with both extended and mirrored displays, uncheck the box of mirror displays as the circle mark below, then in the Arrangement pane hold down both keys <u>cmd</u> and <u>alt</u> and drag the display you wish to overlay the primary display. Repeat this with each display you wish to mirror, those untouched will remain extending.

⊖ O ○ < ► Show All		Color LCD		Q.	
	Display	Arrangement C	olor		
To rearrange the displays, dra To relocate the menu bar, dra	g them to the desir g it to a different d	red position. Isplay.			
Mirror Displays	¢ Exte	end Extend	1		۲

Both of the additional monitors are extended

0.0	Color LCD HP LP2475w		
< ► Show All		Q.	
	Display Arrangement	Color	
To rearrange the display To relocate the menu be	ys, drag them to the desired position. ar, drag it to a different display.		
	Mirror		
	Mirror	nd	
		nd	

One extended and the other mirrored

-----Specifications

		VCND-20	VCND-60	VCND-90	VCND-92	
		VCNA-20	VCNA-60	VCNA-90	VCNA-92	
Signal Input		Ethernet				
Signal Output		DVI-D male HDB15 male				
Resolution (Max.)		1280x1024	1600x1200	1920x1080	1920x1200 2048x1152	
LEDs		Dual Color x 1				
Connector	RJ-45	Yes				
(In)	USB	NA				
Connector (Out)		DVI-D male				
w/built-in cable		HDB15 male				
Enclosure		Metal				
DDC2B Support		Yes				
Max. Power		DC 5V, 780mA				
Consumption						
Dimensions H x W x D (mm)		25 x 96 x 68				

		VCND-U20	VCND-U60	VCND-U90	VCND-U92		
		VCNA-U20	VCNA-U60	VCNA-U90	VCNA-U92		
Signal Input		Ethernet + USB					
Signal Output		DVI-D male					
Signal Output		HDB15 male					
Resolution (Max.)		1280x1024	1600x1200	1920x1080	1920x1200 2048x1152		
LEDs		Dual Color x 1 + Blue x 1					
Connector RJ-45		Yes					
(ln)	(In) USB		Yes				
Connector (Out)		DVI-D male					
w/built-in cable		HDB15 male					
Enclosure		Metal					
DDC2B Support		Yes					
Max. Power		DC 5V, 800mA					
Consumption							
Dimensions H x W x D (mm)		25 x 96 x 68					

Troubleshooting

Symptom	Possible Cause	Solution
No video on screen(s) or	USB connection might be a issues	Make USB A-B cable length not exceed 5 meters.
screen(s) flicker	CAT5 connection might be a issues	Configurations in the network environment are sophisticated
		 please lower the resolution
		 use CAT5 cable compliant with EIA/TIA 568B industry standard
		•CAT5 cable length should not exceed 100 meters.
Can not link the	The Unit might be	The linking schedule is on the
Unit via USB server	occupied	first come first server basis.
CAT5 connection	USB and CAT5	USB connection has a higher
is not applicable	connected	linking priority than CAT5
	simultaneously	connection
Can not access to	Forgotten the	Please see the section "Setup
the network without	IP/password	Button-Restore Factory Defaults"
IP/password		in this manual for details.
Can not LAN link	This RJ-45 LAN	 Use USB connection
the Unit in Mac OS System	connector does not support Mac OS	 Try the network operating in Windows systems

Related Products

xtraViU Series: USB-to-Video Extender

Model Number	Input	Output			
VCUA-20/ 60/ 90/ 92	USB	VGA			
VCUD-20/ 60/ 90/ 92	USB	DVI-D			
VCUB-20/ 60/ 90/ 92	USB	DVI-D + VGA			
xtraViU Series: Video Extender over LAN+USB w/ Audio function					
VACND-U20/U60/U90/U92	LAN + USB	DVI-D + Audio jack			
VACNA-U20/U60/U90/U92	LAN + USB	VGA + Audio jack			

Transmit DVI/VGA signal via USB interface from a single source computer to a single display. The color depth is supported up to 32 bits at the maximum resolution.

Limited Warranty

IN NO EVENT SHALL THE DIRECT VENDOR'S LIABILITY FOR DIRECT OR INDIRECT, SPECIAL, INCIDENTIAL OR CONSEQUENTIAL DAMAGES, LOSS OF PROFIT, LOSS OF BUSINESS, OR FINANCIAL LOSS WHICH MAY BE CAUSED BY THE USE OF THE PRODUCT EXCEEDS THE PRICE PAID FOR THE PRODUCT.

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