

LED VIDEO SPLITTER



Компания PC Vision Technology выпускает решения для многоэкранных LED-дисплеев. С помощью технологичных сплиттеров пользователи могут настроить выходное разрешение с любым соотношением сторон для достижения «пиксель-в-пиксель» без масштабирования. Сплиттеры поддерживают частоты обновления до 360Гц. Приложение UMCC позволяет легко настраивать параметры выходов HDMI без использования внешнего EDID или DIP-переключателя.



| МОДЕЛЬ | LED M13 | LED M14 |
|----------------------------|---------------------------------------------------------------|---------------------------------------------------------------|
| Вход | DP1.4 5760x1200@60Гц~100Гц x1/ 5760x1080@60Гц~120Гц x1 Max | DP1.4 5760x1200@60Гц~120Гц x1/ 5760x1080@60Гц~360Гц x1 Max |
| Спецификация выхода | HDMI 2.0 | HDMI 2.0 |
| Разрешение по горизонтали: | 720~8192 (3 выхода) | 960~8192 (4 выхода) |
| Разрешение по вертикали: | 240~4320 | 240~4320 |
| Частота обновления кадров | 30Гц~120Гц (специальные 360Гц) | 30Гц~120Гц (специальные 360Гц) |
| Источник питания | DC Jack +5V 3 | DC Jack +5V 3A |

Technical specifications



| Product | PCV-DPHMH13-LED | PCV-DPHMH14-LED |
|-------------------------------------------|---------------------------------------|---------------------------------------|
| Part number | PCV-DPHMH13-LED | PCV-DPHMH14-LED |
| Product type | Video Splitter Box | Video Splitter Box |
| Form factor | PCBA+ Black Metal Box | PCBA+ Black Metal Box |
| Input connector (video & audio support) | DP 1.4 with Audio | DP 1.4 with Audio |
| Max input resolutions | 2880x540@360Hz 5760x4320@40Hz | 3840x540@360Hz 7680x4320@30Hz |
| Output connectors (video & audio support) | HDMI 2.0 with Audio | HDMI 2.0 with Audio |
| Max output resolutions | 960x540@360Hz x3 1920x4320@40Hz x3 | 960x540@360Hz x4 1920x4320@30Hz x4 |

HDMI Output Configurations

| | | |
|-------------------------------------|-----------------------------|--------------------------|
| Output Mode | Hx3 / Hx2 (Setting by UMCC) | Hx4 |
| Horizontal resolution support range | 960~2560 / 960~3840 | 960~1920 |
| Vertical resolution support range | 540~4320 | 540~4320 |
| Vertical Rate support range | 30Hz~360Hz (480Hz Option) | 30Hz~360Hz(480Hz Option) |
| Display Rotation | Support by GPU Driver | Support by GPU Driver |
| HDCP support | Support | Support |

Video & audio processing

| | | |
|------------------------------------|------------------------------------|------------------------------------|
| Video scaling (Support by Visuade) | Pixel to Pixel without scaling | Pixel to Pixel without scaling |
| Video cropping | HW Not Support | HW Not Support |
| Audio format | LPCM, AC-3, MP3, DTS 4 Channel | LPCM, AC-3, MP3, DTS 4 Channel |
| Audio sampling rate | 32KHz,44.1KHz,48KHz, Max 128KHz | 32KHz,44.1KHz,48KHz, Max 128KHz |

Control & update protocols

| | | |
|-----------------------------|-------------|-------------|
| Control interface | mUSB | mUSB |
| IP version / IP addressing | Not Support | Not Support |
| Command & control protocols | UART | UART |
| Firmware update | Not Support | Not Support |

Color space

| | | |
|--------------------|-----------------------------|-----------------------------|
| Input color space | 8/10 bpp (12/16 bpp Option) | 8/10 bpp (12/16 bpp Option) |
| Output color space | 8/10 bpp (12/16 bpp Option) | 8/10 bpp (12/16 bpp Option) |

Environmental & power consumption

| | | |
|---------------------------|--------|--------|
| Operating conditions | 0~50°C | 0~50°C |
| Power supply | +5V | +5V |
| Maximum power consumption | ~6W | ~8W |

Hardware

| | | |
|---------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| Dimensions (WxHxD)/weight | 175x38x105mm/600g | 175x38x105mm/600g |
| Regulatory / environmental compliance | -- | -- |
| Warranty | 1 years | 1 years |
| Accessories (Option not include) | DC 5V 3A Adapter 110V/220V DP to DP 30cm Cable mDP to DP 30cm Cable USB Cable | DC 5V 3A Adapter 110V/220V DP to DP 30cm Cable mDP to DP 30cm Cable USB Cable |

Software

| | | |
|-----------------------------------------------|-------|-------|
| UMCC Dynamic Resolution Control/Setting APP I | V3.11 | V3.11 |
|-----------------------------------------------|-------|-------|