VLANscape™

wireless video network

19" Studio Transmitter/Receiver VLANscape VTR-10

W-LAN MIMO Accsesspoint

VLANscape™

- Point-To-Point video/audio transmission with intercom/talk-back-function in buildings via LAN, network infrastructure or wireless.
- Wireless Point-To-Point transmission over several miles as long as destination is in sight.
- Wireless transmission system for Any Video-Cameras, range within radio coverage of used WLAN-network audio and video signals are double-checked by system before broadcasted, to avoid sound or picture interruption and destortion at receiver unit.
  Area of range expandable by wired accesspoint cells (LAN-Switches) or by wireless radio-relais-stations.
  Bidirectional intercom between director and camera-operator in digital quality as well as camera-controll-functions, such as focus or sharpness etc. via RS232 –protocol.
  All audiognals are ground-lifted by transformer.
- Camera remote controll via RS-232 as a bidirectional data connection to controll focus and sharpness etc. on used camera or to transmit data from camera operator to director, back and forth.

light weight mobile Transmitter VT-10

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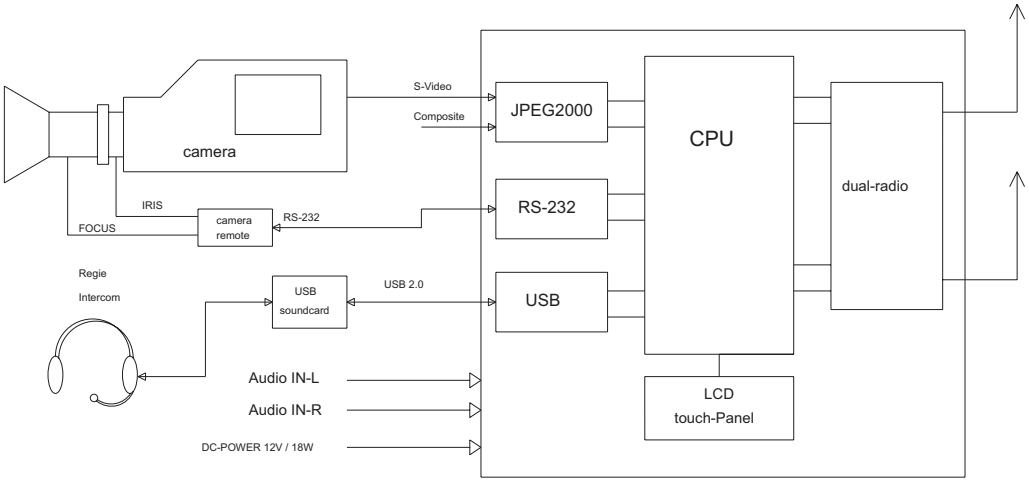
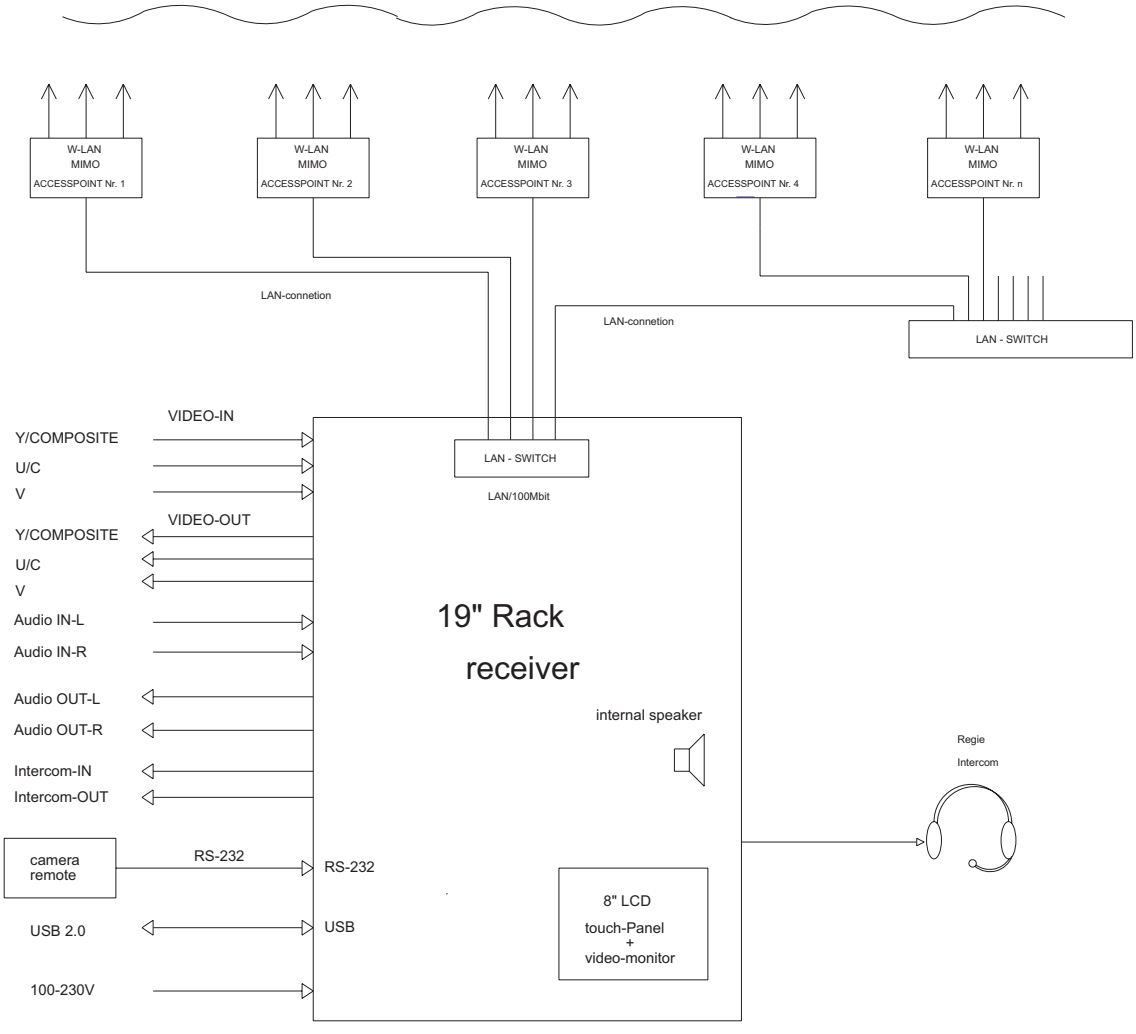
Video/Audio Transmission System over TCP/IP-Network

a product by
KINOMATIK
technology for motion pictures

Camera to Receiver System

camera-transmitter





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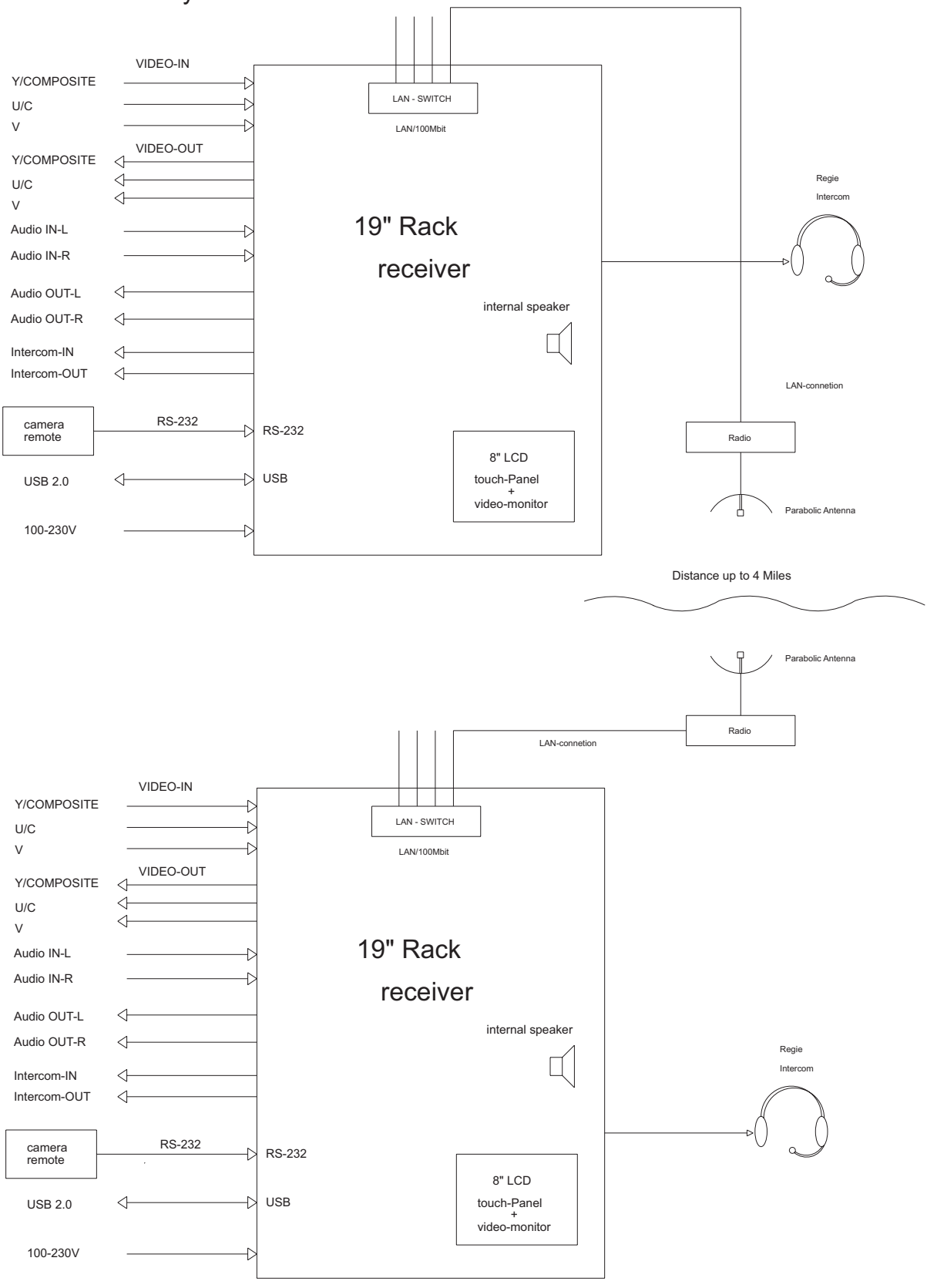
Point to Point System



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Digital Video/Audio Transmission System over TCP/IP-Network
Digital Wireless Camerasignal Transmission System

Technical description

System components camera transmission system

- Scann-converter in 19"-rack, 4HU, to include one 8" touch-screen usable for programming or video-controll-screen.
  Can be used as transmitter or receiver, External data-flow via 100Mbit/LAN.
  JPEG2000 Codec for varia Bitrate from 2-15Mbit Composite, Y/C and Component Video In and Outputs
- Number of W-LAN Accesspoints (1-n) varies by the range of usage.
- Plug-On camera-transmitter, built in a solid aluminum case,
  Standard Video Composite,Y/C Input. Bidirectional intercom signal is available.

System components Point-To-Point tansmission system

- 2 of the above (Fig.1) described transmitter/receiver units..
- 2 accesspoits W-LAN for outdoor application each with a dish-antenna.

End-To-End Delay

- DV-Video/Audio signals will be delayed a minimum of 60ms up to a maximum o f 400ms on both ends, chosen by user.
- Intercom Audio delay aprox. 50ms.

backside connectors Transmitter/Receiver VTR-10

Basic Functions

- Singledirectional video and audio transmission JPEG2000 Compression 702x576 pixels /PAL/NTSC, samplingratio: 4:2:2 ,12 or 16 bit stereosignal, input and output.
- Bidirectional intercom-audio-connection, samplingrate can be chosen by user up to 44Khz Mono.
- Bidirectional control data transmission is possible, depending on the kind of application.

bottom connectors mobile Transmitter VT-10

Specification	19" Transmitter/Receiver Unit VTR-10	Mobile Transmitter Unit VT-10
Software	Linux (DSL)	Linux (Voyage)
Boot-Device	Flash Disk up to 2 Gbyte	Flash Disk
CPU-Board	Speedmops 1,8 GHz Celeron	800 MHz Celeron CPU
Power	25-50Watt	11-17 V / 18W
Display	LCD Touchpanel 6-8" VGA / FBAS PAL-switchable screen	LCD Touchpanel
Case	19" Rack 4 HU	rugged aluminum housing, size off a battery pack
Dimmensions	(w)483mm,(h)178mm, (d)345mm	1 x VGA Monitor
Rack Connectors	2x USB 2.0	1 x S-Video / Composite-Video
	4 x LAN/100Mbit + PoE 48V	1 x USB Intercom / System Update
	1xRS232, 9pol. Sub-D	1 x Power 11-17V - Fischer Connector
	1 x Intercom-Line In	
	1 x Intercom-Line Out	
	1 x VGA/CRT Out 15p. Sub-D	
Video-Input	3 x BNC (1xY/Composite, 1xU/C, 1xV-Component)	
Video-Output	3 x BNC (1xY/Composite, 1xU/C, 1xV-Component)	
Audio-Input	2 x XLR Line Level R/L Ballanced by Transformer	
Audio-Output	2 x XLR Line Level R/L Ballanced by Transformer	
Speaker	selectable between intercom or audio monitoring usage	
Intercom	1x 5pol. XLR Plug in Frontside	
Radio Frequency		2,3 - 2,7 / 4,9 - 6,1 GHz

Specifications are subject to change without notice

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VLANscape System Partner

a product by
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technology for motion pictures