



Accellence Technologies GmbH

Universal Video Management System

vimacc System Documentation

Supported Devices

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1 Introduction

1.1 Document Purpose

This document is part of the system documentation of the **vimacc**[®] video management system from Accellence Technologies GmbH.

All documents are part of the software's comprehensive technical specifications.

1.2 Documentation Structure

The **vimacc**[®] system documentation comprises several documents dealing with different sub-aspects.

The following documents are available by default:

- **vimacc**[®] System Documentation: Introduction
Overview of the general features and respective fields of application.
- **vimacc**[®] System Documentation: Features and Characteristics
Detailed description of technical performance parameters and features/characteristics.
- **vimacc**[®] System Documentation: Interfaces
Description of external interfaces, e.g. to connect to higher level management systems
- **vimacc**[®] System Documentation: System Requirements
Information on minimum requirements for hardware and operating system.
- **vimacc**[®] System Documentation: System Design
Conditions to be met when planning a video system and assistance with dimensioning of the complete system.
- **vimacc**[®] System Documentation: List of Image Sources
List of available image sources (cameras, encoders), drivers and other connectable peripherals.
- **vimacc**[®] System Documentation: Architecture
Detailed overview of the architecture.

In addition, software version specific user guides, an administrator guide and a maintenance guide will be provided.

2 Video Sources

By default, **vima^{cc}** integrates all cameras and video encoders by using video compression techniques **H.265**, **H.264**, **H.263/RFC 2190**, **MPEG4**, and **MJPEG** via **RTSP** or **http** as well as **MxPEG**.

Image sources according to **ONVIF 2.x** (profile S) are supported.

2.1 IP Cameras/Encoders

Manufacturer / Distributor Systems

| | |
|-------------------------------|--|
| AXIS Communications | IP video cameras, M/P/Q series: resolution up to 20 MPx Legacy series e.g.: 206M / 210 / 211 / 232D / 213 / 215, Axis 241QS 4 channel video server M1004, M1025, M2025-LE, M2026-LE P3344, P5534, P5415, P1365-E MK2, P1428 Q8721-E Dual PTZ camera with thermal detection Q7401 Video encoder: Vapix- and transparent mode for external peripherals e.g. with Pelco-D protocol Q1659, P3904/P3905-R MK2, P3905-RE Bidirectional audio (PTT) P3245-VE, Q1798-LE (H.264, H.265) |
| ACTi | Box, bullet, cube, and dome IP cameras, A, B, E series A41 (H.265, H.264), B97 Mini PTZ, E96 5MP Mini Fisheye |
| ABUS Security Center | Digi-Lan network camera for LAN / WLAN |
| AVerMedia | NH DVRs |
| Avigilon | H4 platform, H4A-D1 H4-HD Pro, 30L-H4PRO |
| Basler AG | IP fixed box and dome models of the BIP2 series e.g. BIP2-1300c |
| Brickcom | Brickcom-30xN series, Brickcom-50xA series e.g. FB-300Np LTE |
| Bosch Security systems | All RCPP image sources AutoDome VG4, VG5, Dinion IP, FlexiDome IP, VIP-X1, VIP-X1XF, VIP 1600, VIP 10, VideoJet X40, VideoJet X20, VideoJet X10, VideoJet 800x Starlight NBE 6502-AL |
| D-LINK | DSC series e.g. DSC932L |

| | |
|---------------------|--|
| Dahua | IP cameras/encoders e.g. SD6A-230, IPC-HDBW8301P, IPC-HFW8232EP-Z |
| Digitus | OptiView-Pro series, bidirectional audio (PTT) |
| Eneo | IPB-73M2812M0A |
| Flir | PT, D, F, FC series e.g. F618, F618-S |
| Funkwerk | FAC4000HD (Multicast) |
| Geutebrück | Video system platform GeViSoft, GeViScope |
| Heitel | Digital devices for image transmission and recording e.g. CamDisk, CamTel, CamServer |
| Honeywell | IP cameras e.g. HDZ20HDX, HBL2GR1 |
| Hikvision | IP cameras and encoders (H.264, H.264+, H.265, H.265+) Lightfighter, Darkfighter e.g. DS-2CD2012-I, DS-2CD4A25FWD-IZS, DS-2CD4B26FWD-IZ, DS-2CD4A85F-IZS, DS-2CD2042WD-I, DS - 2TD2166-25 thermal camera |
| IndigoVision | IP cameras/encoders e.g. Series 8000, 9000, 10000 IP: BX100, BX600 |
| Lupus | Lupusnet LE923PoE, HD LE200 |
| MOBOTIX AG | MxPEG: C series, D series, M series, Q series, S series, V series e.g.: M1, M10, M12, M16, D24, M24, Q24, T24, Q25 H.264/Onvif: M16B Bidirectional audio (PTT) |
| MOXA | VPort camera and encoder models |
| MicroView | NVRxx series, IP cameras e.g. NVR08 |
| ORLACO | Stoneridge/Orlaco EMOS IP Kameras |
| Panasonic | IP cameras e.g. WV-SF448, WV-S2531LN (H.264, H.265) |

| | |
|--------------------------------------|--|
| Pelco | Pelco Optera, z.B. IMM12036 panomersive emulation via vimacc Picture Composer |
| RIVA | IP cameras/encoders e.g. RC3502HD-5311, RCC100HD-5110PIR |
| Santec Video Technologies | Cameras of the SNC series SWC-230 RBIF dual thermal image |
| SANYO Europe | Network cameras of the VCC / VDC series e.g. VCC-H-D5600, VCC-HD5400, VCC-HD4600, VCC-HD2500 |
| Siemens AG | IP cameras e.g. CCIC1410-L, CCMC1315-LP, CCMS1315-LP, CVMW-3025-IR, CCMD3025-DN18 |
| Sony | IP cameras, fixed and PTZ e.g. SNC-RS84P, SNC-DH160, RZ25P, SNC-VM600B SNC-EB602R |
| Samsung Techwin Hanwha | Network cameras e.g. SCC-C4201P, SMF-80010VM. SNO-7084RP |
| UTC | Network cameras UTC H264-SVC-PTZ, UVD-IP-EVRDNR-VAX-P, UVP-N120P |
| Uniview | IPC network cameras e.g. IPC568-C, IPC562-DUG (H.264, H.265) |
| Vivotec | IP cameras FE8391V |
| Zepcam | Wireless body cam, body worn video Zepcam T1 |
| USB cameras | Direct connection to PC/server or integrated notebook cameras |

2.2 Hardware Decoder

| | |
|----------------------------|---|
| EIZO IP monitors | FDF2304W-IP, FDF4627W-IP DuraVision |
| EIZO IP decoder box | DX0211-IP DuraVision |
| Eyevis | Netpix NPX-4900 / eyeUNIFIY.link |

2.3 Camera Based Stream Encryption (End-to-End Encryption)

Axis:

Firmware lower than 5.6x **MJPEG** encryption
(ACAP1): e.g. M1025, M1054, P3346, Q1922

Firmware as of 5.6x **H.264** encryption
(ACAP2): e.g. F44, M1141, P1425, P1428, Q6045

Hikvision: HEOP

Cameras of the 5 series
e.g. DS-2CD5xxxG0, firmware 5.5.90
Thermal H3 DS-2TD2137-x/VP firmware V5.5.16

2.4 Pan/Tilt Head Protocols

| | |
|-------------------------------------|---------------------|
| Bosch | RCPP, OSRD protocol |
| Eneo | VPT |
| Funkwerk/Plettac | GLOBE |
| Geutebrück | KDEC |
| Siemens | PST95 |
| Pelco | Pelco-D |
| Plettac/Lederer Funkwerk | Multisec |

2.5 VGA/DVI/HDMI H.264 Broadcaster

| | |
|------------------|---|
| Epiphan | VGA / DVI / HDMI broadcaster, Lecture recorder X2 |
| HaiVision | makito DVI encoder |
| Teracue | ENC-300 DVI |

The available functions may depend on the firmware version and/or hardware release of the devices.

If you have any questions about a certain model or integrating other specific image sources please contact us: support@accellence.de.

3 Support / Hotline

Do you have any questions about **vimacc**?

Send an email to

support@accelence.de

OR

Call our hotline: **+49 (0)511 277 2490**

Our staff is happy to help you from 09:00 AM to 5:00 PM CET/CEST on business days.

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