



Accellence Technologies GmbH

Universal Video Management System

vimacc System Documentation

Supported Devices

This document is intellectual property of Accellence Technologies GmbH.
Subject to alterations, errors excepted.
This document may not be used, reproduced or made available
without express consent of Accellence Technologies GmbH.

Legal Notice

Publisher

Company: Accellence Technologies GmbH
Commercial register: HRB 110799 Hanover
Managing director: Dipl.-Inf. (FH) Frank Christ, Dr.-Ing. Heinz Stephanblome
Editor: Torsten Heinrich, Mike Plötz

Phone: +49 (0)511 277 2400
Fax: +49 (0)511 277 2499

E-Mail: info@accellence.de
Internet: www.accellence.de / www.vimacc.de
Address: Accellence Technologies GmbH
Garbsener Landstraße 10, 30419 Hanover, Germany

Table of Contents

| | |
|--|----|
| Table of Contents | 3 |
| 1 Introduction..... | 4 |
| 1.1 Document Purpose | 4 |
| 1.2 Documentation Structure | 4 |
| 2 Video Sources | 5 |
| 2.1 IP Cameras/Encoders | 5 |
| 2.2 Hardware Decoder..... | 7 |
| 2.3 Camera Based Stream Encryption (End-to-End Encryption) | 8 |
| 2.4 Pan/Tilt Head Protocols | 8 |
| 2.5 VGA/DVI/HDM H.264 Broadcaster..... | 8 |
| 3 Support / Hotline..... | 10 |
| Index | 11 |

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 HeatPro-Serie: DS-2TD1228/x, DS-2TD2628-x Panorama-Dual: DS-2SF8C425MXG-ELW/26 |
| 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 |
| R. Stahl HMI Systems | FIX und PTZ-Kameras, MK-EC-941-V1C02T0M000-02 |
| 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/Encoder

| | |
|------------------|---|
| Epiphan | VGA / DVI / HDMI broadcaster, Lecture recorder X2 |
| HaiVision | makito DVI encoder |
| Teracue | ENC-300 DVI |
| BLANKOM | HDE-264 |

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@accelence.de.

3 Support / Hotline

More information: www.vimacc.de

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.

Index

A

| | |
|------------------------|---|
| ABUS | 5 |
| ACTi | 5 |
| AVerMedia | 5 |
| Avigilon | 5 |
| AXIS | 5 |

B

| | |
|---------------------------|------|
| Basler | 5 |
| Bidirectional audio | 5, 6 |
| Bosch | 5 |
| BrickCom | 5 |
| Broadcaster | 8 |

D

| | |
|----------------------|---|
| Dahua | 6 |
| Digitus | 6 |
| D-LINK | 5 |
| DuraVision | 7 |

E

| | |
|-----------------------------|------|
| EIZO | 7 |
| Encryption | 8 |
| End-to-end encryption | 8 |
| Eneo | 6, 8 |
| Epiphan | 8 |
| Eyevis | 7 |

F

| | |
|-------------------|------|
| Flir | 6 |
| Funkwerk | 6, 8 |

G

| | |
|-------------------------|---|
| Geutebrück | 6 |
| GeViScope | 6 |
| GeViSoft | 6 |

H

| | |
|------------------------|------|
| H.263 | 5 |
| H.264 | 5, 8 |
| H.265 | 5 |
| H4 platform | 5 |
| H4-HD Pro | 5 |
| HaiVision | 8 |
| Heitel | 6 |
| HEOP | 8 |
| Hikvision | 6, 8 |
| Honeywell | 6 |

I

| | |
|---------------------------|----|
| IndigoVision | 6L |
| Lupus | 6 |
| Lupusnet | 6 |

M

| | |
|------------------------|------|
| MicroView | 6 |
| MJPEG | 5, 8 |
| MOBOTIX | 6 |
| MOXA | 6 |
| MPEG4 | 5 |
| MxPEG | 5 |

O

| | |
|----------------------|---|
| ONVIF 2 | 5 |
| ORLACO | 6 |

P

| | |
|------------------------|------|
| Panasonic | 6 |
| Pelco | 7 |
| PTT | 5, 6 |

R

| | |
|-----------------------|---|
| R. Stahl | 7 |
| RC3502HD | 7 |
| RFC 2190 | 5 |
| RIVA | 7 |

S

| | |
|----------------------|---|
| Samsung | 7 |
| Santec | 7 |
| SANYO | 7 |
| Siemens | 7 |
| Sony | 7 |

T

| | |
|----------------------|---|
| Teracue | 8 |
| Thermal | 6 |

U

| | |
|--------------------------|---|
| Uniview | 7 |
| USB cameras | 7 |
| UTC | 7 |

V

| | |
|----------------------|---|
| Vivotec | 7 |
|----------------------|---|

Z

| | |
|---------------------|---|
| Zepcam | 7 |
|---------------------|---|