

28.2 Security Systems Standards

1. Access Control System
 - 1.1. Electronic Locking Systems
 - 1.1.1. Mortise Lockset Indoor Strike: HES 4500
 - 1.1.2. Mortise with Deadbolt Interior Door Lockset: HES 1006
 - 1.1.3. Schlage AD-300
 - 1.1.4. Schlage AD-400 Wireless*
 - 1.1.5. Exterior Mortise: HES 1006
 - 1.1.6. Electrified Touchbar
 - 1.1.6.1.1. Von Duprin 99 Series, Electrified
 - 1.1.6.1.2. HES 9600 Strike
 - 1.1.6.1.3. Hardware Power Supply Module as required for operation
 - 1.1.6.1.4. Fire Module 900-FA
 - 1.1.6.1.5. Auto Open Coordinator 900-4RL
 - 1.1.6.1.6. Double Door 900-2RS
 - 1.1.6.1.7. Battery Backup 900-BBK
 - 1.1.7. Delayed Egress - to be determined by the University's Building Code Division
 - 1.1.8. Wire Transfer Hinges
 - 1.1.8.1. IVES EPT
 - 1.1.8.2. TW
 - 1.1.9. Wire Transfer Cables
 - 1.1.9.1. SDC PT series
 - 1.1.10. Centralized Lock Power Supply
 - 1.1.10.1. AlarmSaf PS5-BFS-24-UL
 - 1.2. Controllers
 - 1.2.1. iStar for CCure
 - 1.2.1.1. Cabinet
 - 1.2.1.1.1. iStar Ultra
 - 1.2.1.1.2. iStar Pro
 - 1.2.1.1.3. iStar Rack Mount
 - 1.2.1.1.4. iStar eX
 - 1.2.1.1.5. iStar Edge
 - 1.2.1.2. Battery 17AH SLA
 - 1.2.1.3. GCM/DB Unit iStar Pro GCM with 64mb or 128mb
 - 1.2.1.4. DCU/Door Controller iStar Pro ACM
 - 1.2.1.5. Power Supply
 - 1.2.1.5.1. AlarmSaf AS/PS5-BFS-12-UL
 - 1.2.1.5.2. w/min. Four (4) hours battery-backup
 - 1.2.1.6. Add on Controllers
 - 1.2.1.6.1. AS0073-000 I8 input module
 - 1.2.1.6.2. AS0073-CSI I8-CSI input module

* on exception from Security Program Manager, Public Safety, and Facility Management

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²intercom system design must be coordinated with PSECC, University Services IT, or the Security Program Manager

- 1.2.1.6.3. AS0074-000 R8 output module
- 1.2.2. Software
 - 1.2.2.1. Current CCure version and compatibilities must be confirmed by PSECC, University Services IT, or the Security Program Manager
- 1.3. Reader
 - 1.3.1. Card Reader
 - 1.3.1.1. Standard: SoftwareHouse RM1-SE-UMN
 - 1.3.1.2. Standard Alternative: HID SE RP40
 - 1.3.1.3. Mullion: HID SE RP15
 - 1.3.1.4. Mini-Mullion: HID SE RP10
 - 1.3.2. Intercom Unit²
 - 1.3.3. IP Video: AiPhone IX²
 - 1.3.4. Standard Video: AiPhone AX²
 - 1.3.5. Analog Phone with Video: Code Blue 6-Series and Axis F41²
- 1.4. Request to Exit
 - 1.4.1. Bosch 150
- 1.5. Door Position
 - 1.5.1. GE Security 1076C SPDT
- 1.6. Key Management System
 - 1.6.1. Deister proxSafe
- 2. Surveillance
 - 2.1. Cameras : All IP cameras need to be installed with an Axis Micro SDXC 128GB card p/n : 01491-001
 - 2.1.1. Indoor
 - 2.1.1.1. Dome:
 - 2.1.1.1.1. Standard: AXIS P3225 - LV Mk II
 - 2.1.1.1.2. Varifocal: AXIS Q3515-LV
 - 2.1.1.1.2.1. 3-9mm Lens, Wide Angle - close range
 - 2.1.1.1.2.2. 9-22mm Lens, Telephoto - long range
 - 2.1.1.2. Corner Mount/Elevator Mount
 - 2.1.1.2.1. AXIS Q8414-LVS
 - 2.1.1.3. Bullet
 - 2.1.1.3.1. Axis Q1765-LE
 - 2.1.2. Outdoor
 - 2.1.2.1. Bullet
 - 2.1.2.1.1. Axis Q1765-LE
 - 2.1.2.2. Dome
 - 2.1.2.2.1. Standard: Axis P3225 - LVE Mk II
 - 2.1.2.2.2. 180 Deg: Axis P3807-PVE
 - 2.1.3. Encoder
 - 2.1.3.1. 4 Channel Axis M7014
 - 2.1.3.2. 16 Channel - Axis M7016

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- 2.1.4. Decoder
 - 2.1.4.1. 16 Channel - ACTi ECD-1000
- 2.1.5. Modular Camera
 - 2.1.5.1. Camera Processor: AXIS F41
 - 2.1.5.1.1. Standard Lens: AXIS F1005-E
 - 2.1.5.1.2. Wide Angle: AXIS F1035-E
- 2.1.6. Pan-Tilt-Zoom/Multi-Sensor/Fisheye
 - 2.1.6.1. Pan-Tilt-Zoom: AXIS Q6055-E (Q6000-E add on OK)
 - 2.1.6.2. Long Range Pan-Tilt-Zoom AXIS Q6155-E
 - 2.1.6.3. Pan-Tilt-Zoom with night vision: AXIS Q8665-LE
 - 2.1.6.4. Multi-Sensor 180: AXIS Q3807-PVE
 - 2.1.6.5. Multi-Sensor: AXIS P3717-PVE
- 2.1.7. External Infrared Illuminators
 - 2.1.7.1. Raytec
- 2.2. Recorder
 - 2.2.1. All recording will utilize the University's American Dynamics system.
 - 2.2.2. Verify camera, software, storage, and viewing capabilities with the PSECC, University Services IT, or the Security Program Manager
- 3. Emergency Communications
 - 3.1. BiDirectional Amplifier for the University of Minnesota Police Department's radio systems¹
 - 3.2. Overhead Paging compatible with the Campus Wide Emergency Alert System (CWEAS)¹
 - 3.3. Emergency Phone/Help Point
 - 3.3.1. Campus Exterior and Tunnels
 - 3.3.1.1. Wall Station, Code Blue 2-Series¹
 - 3.3.1.2. Freestanding Tower, Code Blue 1 Series¹
 - 3.3.2. Parking Ramps/Garages and Skyways
 - 3.3.2.1. Compact: Code Blue 6 Series¹
 - 3.3.2.2. Wall Station, Code Blue 2-Series¹
 - 3.3.2.3. Stentofon legacy devices*
- 4. Burglar Alarm
 - 4.1. ALARMS Honeywell Galaxy
 - 4.1.1. Honeywell Vista model 128BP control panel
 - 4.1.2. dedicated analog telephone line
 - 4.1.3. dedicated 120 volt AC power source with 24-hour battery backup
 - 4.1.4. programmed to communicate with the Phoenix alarm server

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