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. Von Duprin 99 Series, Electrified
           1.1.6.2. HES 9600 Strike
           1.1.6.3. Hardware Power Supply Module as required for operation
           1.1.6.4. Fire Module 900-FA
           1.1.6.5. Auto Open Coordinator 900-4RL
           1.1.6.6. Double Door 900-2RS
           1.1.6.7. 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
1 Systems capacity, compatibility, and configuration must be confirmed with PSECC, University Services IT, or the Security Program Manager
2 Intercom 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 Unit

1.3.3. IP Video: APhone IX

1.3.4. Standard Video: APhone AX

1.3.5. Analog Phone with Video: Code Blue 6-Series and Axis F41

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 systems
   3.2. Overhead Paging compatible with the Campus Wide Emergency Alert System (CWEAS)
   3.3. Emergency Phone/Help Point
      3.3.1. Campus Exterior and Tunnels
         3.3.1.1. Wall Station, Code Blue 2-Series
         3.3.1.2. Freestanding Tower, Code Blue 1 Series
      3.3.2. Parking Ramps/Garages and Skyways
         3.3.2.1. Compact: Code Blue 6 Series
         3.3.2.2. Wall Station, Code Blue 2-Series
         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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