

SMART MANAGER



FEATURE

- Monitor the overall operation of the classroom
- Monitor and check the status of alarms by all equipment in the classroom.
- Monitor and control the operation status of AV equipment in each classroom
- Individual control and batch control of all AV equipment in each classroom and classroom
- Can be controlled by the classroom or department to schedule the day of the week off (AV equipment in a batch off)
- E-Track computers can be controlled.
- Check beam projector status and monitor lamp usage time in real time.
- Light control in the classroom (option)
- Image control and control using IP cameras (Unable to save/separate cameras)
- Monitor and control classroom equipment with administrator PCs and all smartphones.



SOFTWARE PROGRAM INTEGRATED MANAGEMENT SYSTEM



CONTROL SCREEN EXAMPLE

< Classroom Comprehensive Management Screen (General Situation Room) >

The screenshot displays the 'SMART AV 종합상황실' interface. It features several key sections:

- 강의실 운영 현황 (Lecture Room Operation Status):** Shows counts for '전체' (Total: 58), '사용중' (In Use: 35), '대기중' (Waiting: 21), and '경고' (Warning: 2).
- 장비 상태 현황 (Equipment Status Status):** A table showing counts for various equipment types across different rooms.
- 동별 운영 현황 (Room-by-Room Operation Status):** A grid of room status cards for '뉴턴홀', '효업빌관', '상상랩', '스퀘어아홀', '현동홀', and '오석관', each with '35', '21', and '2' indicators.
- Log Table:** A table at the bottom listing events with columns for '연월' (Month/Year), '강의실' (Lecture Room), '장비' (Equipment), '구분' (Category), '발생시간' (Occurrence Time), and '비고' (Remarks).

구분	컨트롤러	프로젝터	스크린	엘리베이션	PC	조명
사용중	5	6	6	6	10	2
대기중	3	4	1	4	6	3
경고	0	2	0	0	0	0

연월	강의실	장비	구분	발생시간	비고
	414	프로젝터	장치상태 경고	2017-08-31 11:21:27	본체(전원OFF)
	414	전체장비	전체 장치상태 요청	2017-08-31 11:21:27	(-)
	3층	전체장비	전체 장치상태 요청	2017-08-31 11:21:27	(-)
	412	프로젝터	장치상태 경고	2017-08-31 11:21:27	본체(전원OFF)
	412	전체장비	전체 장치상태 요청	2017-08-31 11:21:27	(-)
	상상랩	상상랩 1	장치상태 경고	2017-08-31 11:21:27	본체(전원OFF)

※ This screen is an example screen tailored to the actual configuration for better understanding.

< General Situation Room >

The screenshot shows the 'SMART AV 종합상황실' interface for the General Situation Room. It includes:

- System Status:** Indicators for '시스템전원' (System Power), 'PC전원' (PC Power), '프로젝터' (Projector), '스크린' (Screen), '엘리베이션' (Elevator), and '조명' (Lighting).
- Control Panel:** A large 'ON/OFF' toggle for the AV system.
- Log Table:** A table at the bottom with columns for '연월' (Month/Year), '강의실' (Lecture Room), '장비' (Equipment), '구분' (Category), '발생시간' (Occurrence Time), and '비고' (Remarks).

연월	강의실	장비	구분	발생시간	비고
	414	프로젝터	장치상태 경고	2017-08-31 11:21:27	본체(전원OFF)
	414	전체장비	전체 장치상태 요청	2017-08-31 11:21:27	(-)
	3층	전체장비	전체 장치상태 요청	2017-08-31 11:21:27	(-)
	412	프로젝터	장치상태 경고	2017-08-31 11:21:27	본체(전원OFF)
	412	전체장비	전체 장치상태 요청	2017-08-31 11:21:27	(-)

< Cell phone Management screen >

The image displays three mobile phone screens illustrating the system's mobile interface:

- Login Screen:** Shows the 'SMART AV 종합상황실' logo and fields for 'Manager ID' and 'Manager PW'.
- Room Status Group:** Shows a grid of room status cards for '뉴턴홀', '효업빌관', and '상상랩' with numerical indicators.
- Control the selected room device:** Shows a control interface for a specific room, including a camera view and status toggles for '시스템전원', 'PC전원', '프로젝터', and '스크린'.



SOFTWARE PROGRAM INTEGRATED MANAGEMENT SYSTEM



BLOCK DIAGRAM

- Monitoring the overall operation status of the classroom
- Monitoring and checking of alarm occurrence status by equipment in the entire classroom
- Monitoring and controlling the operation status of AV devices by lecture building
- Control each classroom and all AV equipment in the classroom
- Same-day reservations for lecture buildings and departments are possible with OFF (AV devices simultaneously OFF)
- Real-time monitoring of projector status and lamp usage time
- Classroom lighting control possible (Option)
- Video control and control possible using IP camera (no storage / camera)
- Monitor and control classroom equipment with an administrator PC and all smartphones

< Classroom remote monitoring and control >



ALL-IN ONE IoT SMART AV CONTROL SYSTEMS

< General Situation Room >

구분	컨트롤러	프로젝터	스크린	엘리베이션	PC	조명
사용중	5	6	6	6	10	2
대기중	3	4	1	4	6	3
영고	0	2	0	0	0	0

건명	강의실	장비	구분	발생시간	비고
뉴턴홀	414	프로젝터	장치상태 경고	2017-08-31 11:21:27	문제(장비OFF)
뉴턴홀	414	전체장비	전체 장치상태 요청	2017-08-31 11:21:27	(-)
효명빌딩	305	전체장비	전체 장치상태 요청	2017-08-31 11:21:27	(-)
뉴턴홀	412	프로젝터	장치상태 경고	2017-08-31 11:21:27	문제(장비OFF)
뉴턴홀	412	장체장비	전체 장치상태 요청	2017-08-31 11:21:27	(-)
상상빌	상상빌 1	리프트시스템	장치상태 경고	2017-08-31 11:21:27	문제(장비OFF)

1 _ Classroom
(#1 College, NJ)

n _ Classroom
(#2 College, NY)



1 _ Class

n _ Class



1 _ Class

n _ Class

