

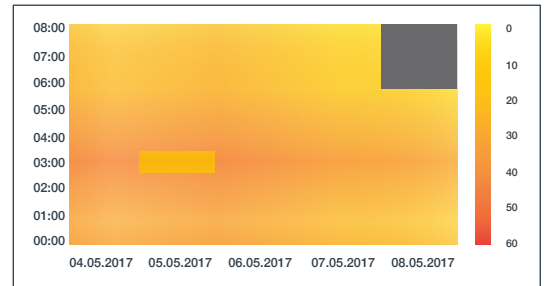


Everything is under control.

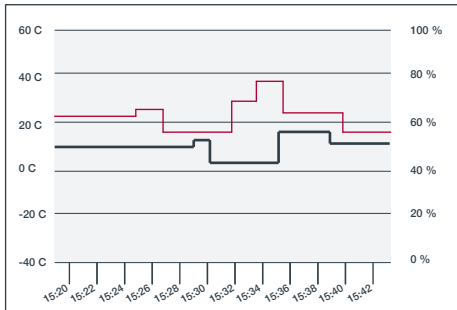
**Central**  
Monitoring system

# What's Retmon DCIM ?

Retmon DCIM is the software that analyzes and manages Data Center operations. It can monitor and manage the Data Centers or System Rooms in different regions as a master. It is software that enables reporting and monitoring of all critical situations that need to be audited for system continuity such as temperature map, humidity map, UPS status, air conditioning activities, momentary energy situations and so on.



Retmon DCIM has Data Center Asset Management, Cable Management, Job Order Tracking, Change Management modules that allow full management of Data Center areas.



Retmon DCIM is a structure that allows identification of remote limit values, modification of corridor plans and loading of devices. It is managed via a standard web browser to provide management simplicity. It supports all systems of vital importance for data centers such as security switching systems, closed circuit camera systems, energy room management systems. It allows for single-centered monitoring of these systems and contingency plans.

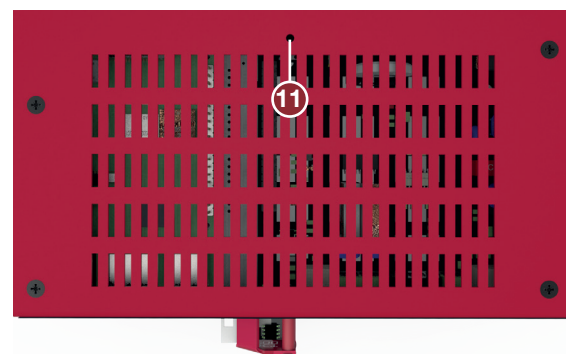
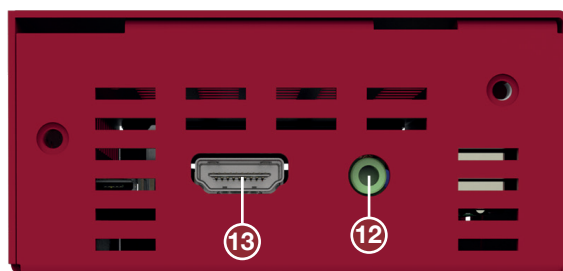
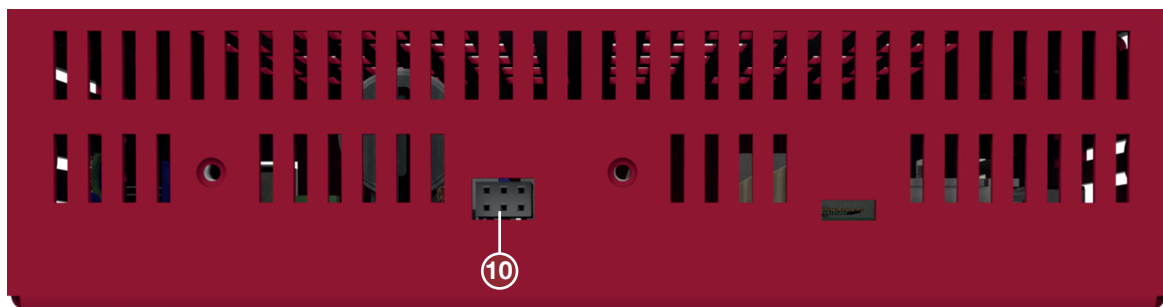
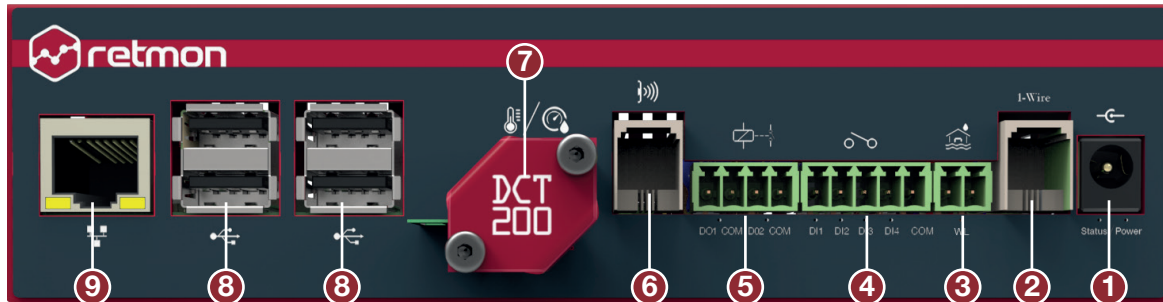
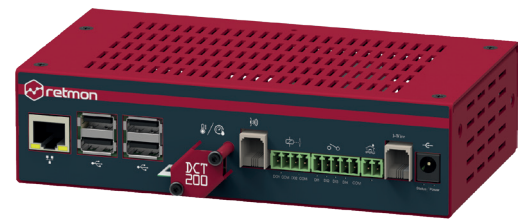
Retmon DCIM system supports SNMP and Modbus TCP/IP. It can be opened and supported in different general and specific protocols if desired. This support can be in the form of an add-on without having to update the version.

## What does Retmon DCIM offer?

- Monitoring of data center or system room conditions, live image monitoring with 3D thermal maps.
- Data center input-output information to be monitored in a controlled and secure way.
- Calculation of data center energy consumption and power distributions and creation of alarms.
- Follow-up of power interruptions via single line scheme.
- Listing and management of assets in the units in the Data Center.
- Automatic notification of changes in assets, maintenance times and warranty periods in advance.
- Delivery and registration of work orders created for data center management to related persons.
- Establishment of the management and topography of the cables connected to the assets.

# Data Collection Terminal

From the built-in sensors and external components records, archives and analyzes the data. Warn if necessary.



- |                                          |                              |
|------------------------------------------|------------------------------|
| 01- DC Power Connection                  | 08- USB 2.0                  |
| 02- 1-Wire Digital Sensor Connection     | 09- 10/100 Ethernet          |
| 03- Water Leak Sensor Connection         | 10- Replacement Battery Port |
| 04- Digital Input (DI1, DI2, DI3, DI4)   | 11- Factory Reset Button     |
| 05- Digital Output (DO1, DO2)            | 12- Audio Output (3.5mm)     |
| 06- Infrared Receiver / Transmitter Port | 13- HDMI Port                |
| 07- Temperature and Humidity Sensor      |                              |

## Energy Monitoring

The Retmon energy system allows you to monitor your energy distribution system online via a single line schematic. With the dry contact information from the breakers, you can see which line is active, which is inactive and can be changed manually. The Retmon Energy system can report your consumption information according to the desired time interval (instant, daily, monthly etc.) by looking at the data coming from your energy distribution line. Thus, you can measure your energy efficiency.



The Retmon Energy system provides you with information on vital data such as fuel information, battery status information, etc. from power generators and UPSs in your energy distribution system and helps you prepare a preliminary emergency scenario.

## Reporting



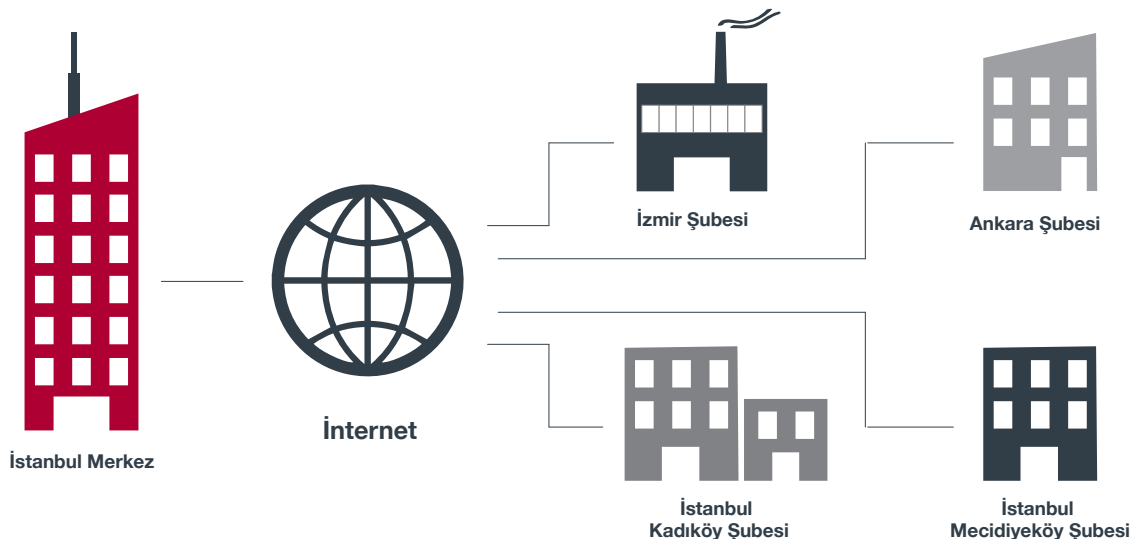
The tools available under the Reporting module allow you to list all work orders, changes, and data that are recorded retroactively. Reports are important for recording and tracking generated data and provide periodic control of data center management. In addition to this, precautions can be taken against emergency situations with the reporting management which is defined by the parameters in the system.

It has reports on the alarm range, temperature and humidity values, PDU and Energy values, which are generated on the basis of the selected range and unit location and the date range determined in the reporting system. When an emergency situation arises due to the established alarm scenario, it may periodically send an e-mail or SMS to the related units. In order to generate an alarm, limits can be defined on the upper and lower limits and how many times it should be observed.

## Monitoring and Management Center

Retmon DCIM is based on the principle of collecting, storing and reporting the rooms, facilities, buildings, data on the internet, digital, analogue, Modbus and SNMP protocol.

Retmon DCT200 reaches to the system through the PLC, energy analyzers, PDU and sensors such as temperature, humidity, water leak, connected to the data collection unit, reaches to Retmon communication and event management service.



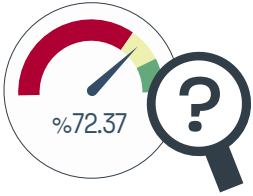
## Alarm Management

The Alarm System Module works with the user-specified scenarios. These scenarios can change sensor, input conditions and output actions, threshold values individually or in groups. Different alarm levels can be determined with the alarm system and different actions can be requested at each level. When this structure needs to be able to define very complex algorithms. It executes the rules or rule sequences written in java script language.

Alarm rule management can receive or give information from another system. Integration with the other systems to communicate with the alarm rule management system can access the database of the 3rd system. Time-based alarms allow the necessary maintenance procedures to be followed.



## Energy Consumption and Reporting

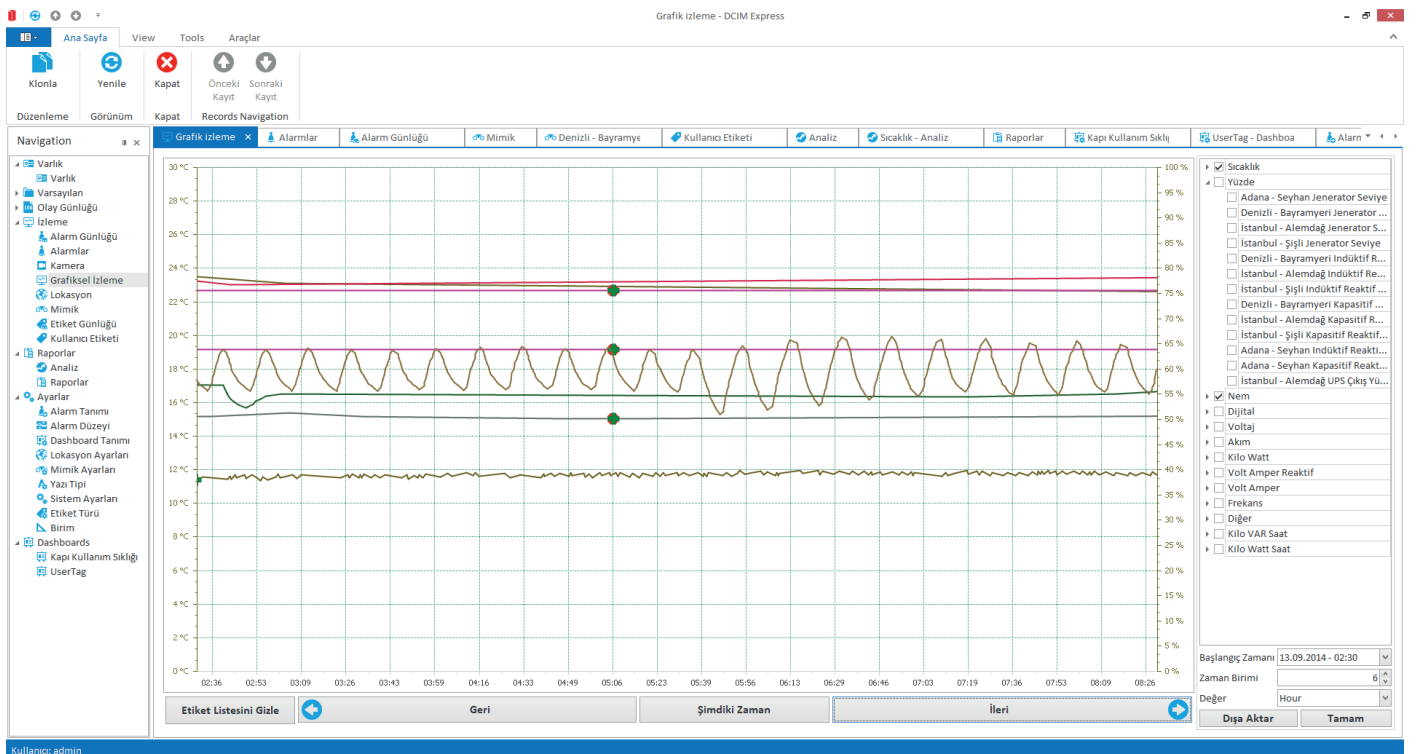


Retmon provides easy access to electricity consumption details (current, voltage, power coefficient, harmonics) and allows you to manage the system on demand. It can generate reports. The PUE values of the data center or other fields can be monitored online.

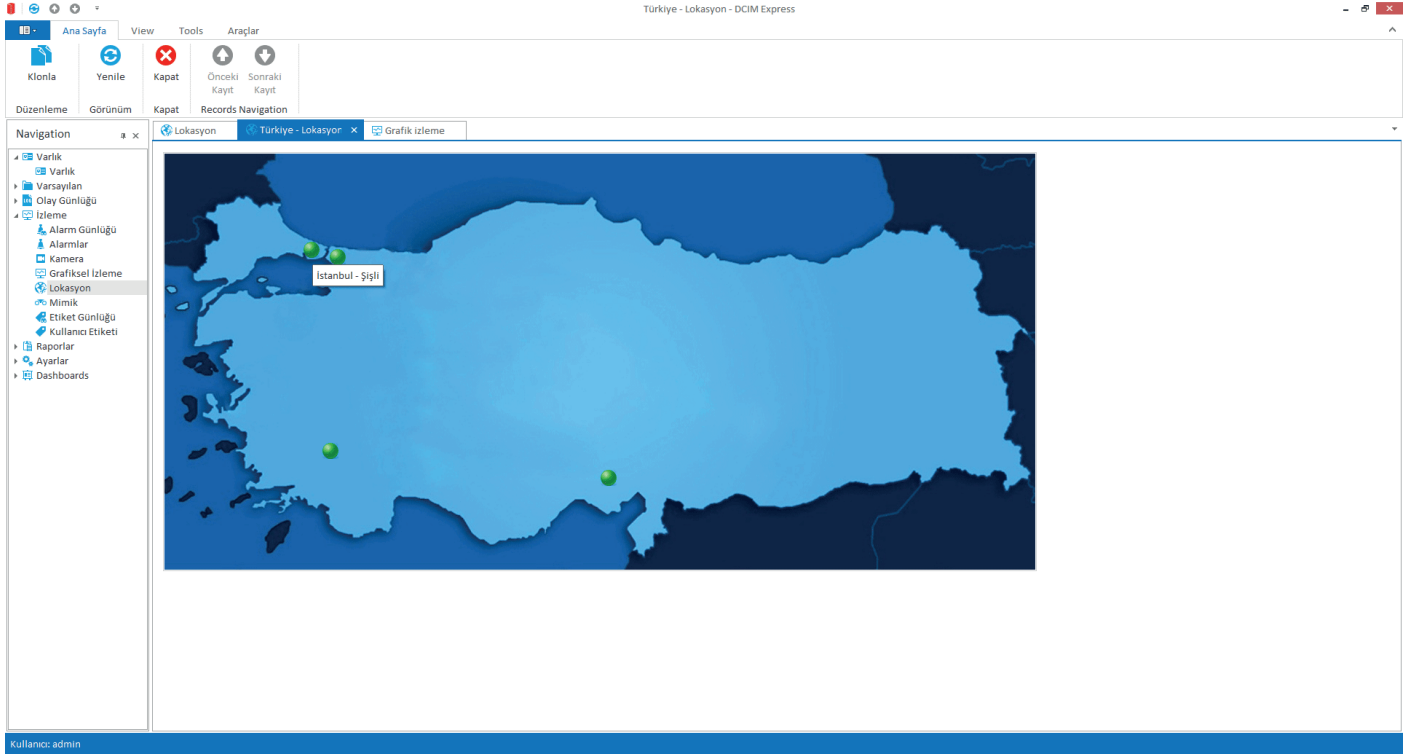
Required data are collected from energy analyzers or counters via SNMP, Modbus RTU and TCP / IP. All data can be saved independently of each other at the desired frequency. This ensures that the critical data is at the desired resolution. Insignificant data do not occupy space in the database.

## DCIM Software Screen Views

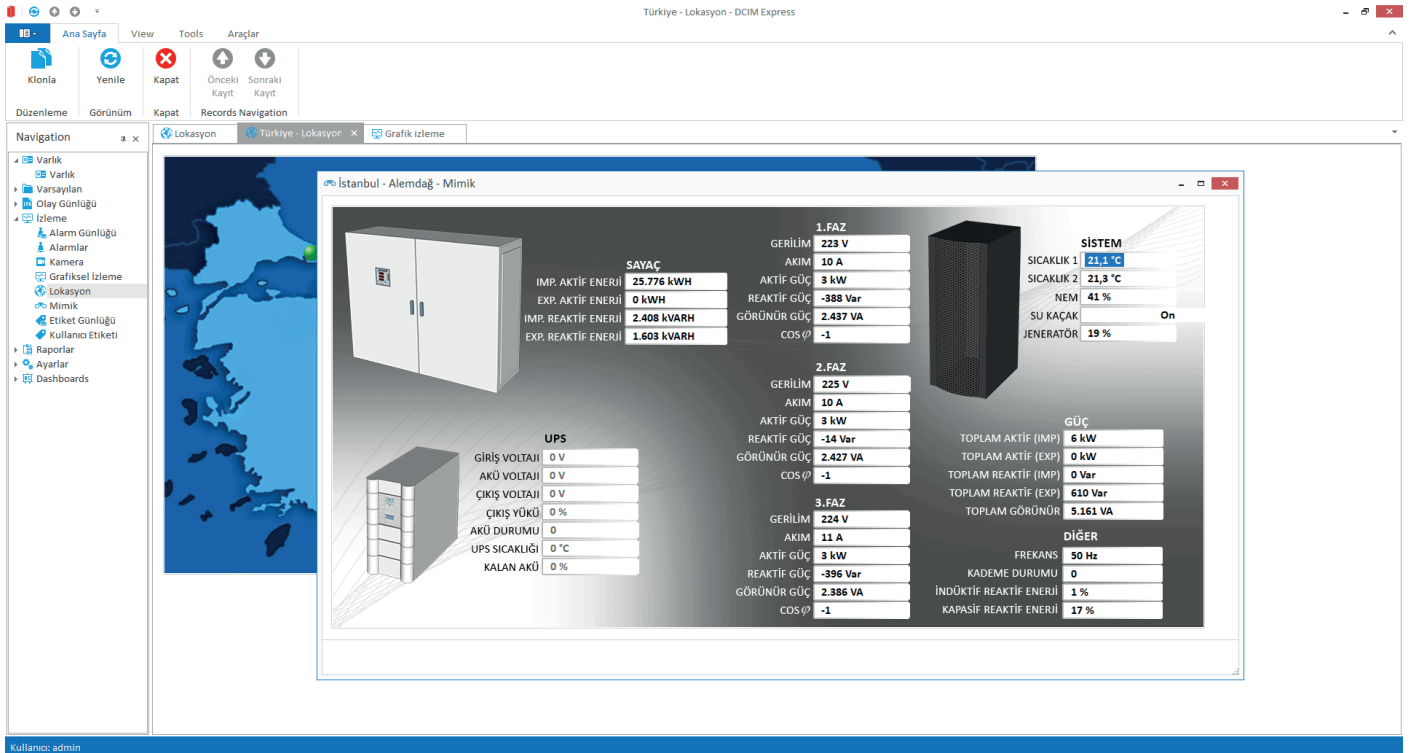
### Graphics Monitoring



# Location



# Mimic Display



# Tag Editor

6



# Event Log

Olay Günlüğü - DCIM Express

Navigation: Varlık, Varsayılan, Olay Günlüğü, İzleme, Alarm Günlüğü, Alarmlar, Kamera, Grafiksel İzleme, Lokasyon, Mimik, Etiket Günlüğü, Kullanıcı Etiket, Raporlar, Analiz, Raporlar, Ayarlar, Alarm Tanımı, Alarm Düzeyi, Dashboard Tanımı, Lokasyon Ayarları, Mimik Ayarları, Yazı Tipi, Sistem Ayarları, Etiket Türü, Birim, Olay Günlüğü

Kullanıcı Adı	Düzenleme Tarihi	Nesne Türü	Operasyon Türü	Açıklama
	2.9.2014 09:19:45	EmployeeRole	Nesne Oluşturma	Object: Administrator
	2.9.2014 09:19:45	Employee	Nesne Oluşturma	Object: Administrator
	2.9.2014 09:19:45	LanguageSetting	Nesne Oluşturma	
	2.9.2014 09:19:45	SirenSetting	Nesne Oluşturma	
	2.9.2014 09:19:45	DatabaseSetting	Nesne Oluşturma	
	2.9.2014 09:19:45	SmsConfig	Nesne Oluşturma	
	2.9.2014 09:19:45	MailConfig	Nesne Oluşturma	
	2.9.2014 09:19:45	SystemSetting	Nesne Oluşturma	
	9.9.2014 11:46:31	EmployeeRole	Nesne Oluşturma	Object: systemAdmin
	9.9.2014 11:46:31	EmployeeRole	Nesne Oluşturma	Object: Operator
	9.9.2014 11:46:31	EmployeeRole	Nesne Oluşturma	Object: SystemUser
	15.9.2014 14:38:58	SecuritySystem	Oturum açma başarısız oldu	Kullanıcı adı boş olmalıdır.
Admin	2.9.2014 09:17:53	SecuritySystem	Oturum açma başarısız oldu	[A]DevExpress.Xpo.Logger.ProfilerConfigSection cannot be cast to [B]DevExpress.Xpo.Logger.ProfilerC...
Admin	2.9.2014 09:19:45	SecuritySystem	Oturum açma başarısız oldu	Login failed for 'Admin'. Make sure your user name is correct and retype the password in the correct case.
Admin	2.9.2014 09:19:56	SecuritySystem	Oturum açma başarısız oldu	Login failed for 'Admin'. Make sure your user name is correct and retype the password in the correct case.
Admin	2.9.2014 09:20:09	SecuritySystem	Oturum açma başarısız oldu	[A]DevExpress.Xpo.Logger.ProfilerConfigSection cannot be cast to [B]DevExpress.Xpo.Logger.ProfilerC...
Admin	2.9.2014 09:20:12	SecuritySystem	Oturum açma başarısız oldu	Login failed for 'Admin'. Make sure your user name is correct and retype the password in the correct case.
admin	2.9.2014 09:20:14	SecuritySystem	Oturum açıldı	LoggedOn Username: Admin
admin	2.9.2014 09:27:58	SystemSetting	Nesne değiştirme	
admin	2.9.2014 09:27:58	MailConfig	Nesne değiştirme	
admin	2.9.2014 09:27:58	Employee	Nesne değiştirme	Object: Administrator
admin	2.9.2014 09:27:58	Asset	Nesne Oluşturma	Object: İstanbul - Alemdağ
admin	2.9.2014 09:27:58	ModbusStation	Nesne Oluşturma	Object: İstanbul - Alemdağ Modbus Station
admin	2.9.2014 09:27:58	ModbusNetworkTCP	Nesne Oluşturma	Object: İstanbul - Alemdağ Modbus Network TCP
admin	2.9.2014 09:27:58	ModbusGroup	Nesne Oluşturma	Object: Digital Group
admin	2.9.2014 09:27:58	ModbusTag	Nesne Oluşturma	Object: Water Leak
admin	2.9.2014 09:27:58	UserTag	Nesne Oluşturma	Object: İstanbul - AlemdağWater Leak
admin	2.9.2014 09:27:58	ModbusTag	Nesne Oluşturma	Object: Door Opened/Closed
admin	2.9.2014 09:27:58	UserTag	Nesne Oluşturma	Object: İstanbul - Alemdağ Door Opened/Closed
admin	2.9.2014 09:27:58	ModbusTag	Nesne Oluşturma	Object: Smoke Detector
admin	2.9.2014 09:27:58	UserTag	Nesne Oluşturma	Object: İstanbul - AlemdağSmoke Detector
admin	2.9.2014 09:27:58	ModbusGroup	Nesne Oluşturma	Object: Humidity Group
admin	2.9.2014 09:27:58	ModbusTag	Nesne Oluşturma	Object: Humidity Sensor
admin	2.9.2014 09:27:58	UserTag	Nesne Oluşturma	Object: İstanbul - Alemdağ Humidity
admin	2.9.2014 09:27:58	ModbusGroup	Nesne Oluşturma	Object: Temperature Group
admin	2.9.2014 09:27:58	ModbusTag	Nesne Oluşturma	Object: Temperature Sensor.1

Kullanıcı: admin

# Units

Birim - DCIM Express

Navigation: Varlık, Varsayılan, Olay Günlüğü, İzleme, Alarm Günlüğü, Alarmlar, Kamera, Grafiksel İzleme, Lokasyon, Mimik, Etiket Günlüğü, Kullanıcı Etiket, Raporlar, Analiz, Raporlar, Ayarlar, Alarm Tanımı, Alarm Düzeyi, Dashboard Tanımı, Lokasyon Ayarları, Mimik Ayarları, Yazı Tipi, Sistem Ayarları, Etiket Türü, Birim

Adı	Sembol	Auto Range	Range Scale	Min	Maks	ÇÇ Türü
Celcius	°C	<input type="checkbox"/>	10	0	30	Analog
Current	A	<input type="checkbox"/>	0	0	120	Analog
Digital		<input type="checkbox"/>	0	0	0	Dijital
Digital		<input type="checkbox"/>	0	0	0	Dijital
Digital		<input type="checkbox"/>	0	0	0	Dijital
Digital		<input type="checkbox"/>	0	0	0	Dijital
Digital		<input type="checkbox"/>	0	0	0	Dijital
Digital		<input type="checkbox"/>	0	0	0	Dijital
Frequency	Hz	<input checked="" type="checkbox"/>	10	0	0	Dijital
Kilo Volt Amper Reaktif Saat	kVARH	<input type="checkbox"/>	0	0	150.000	Analog
Kilo Watt	kW	<input type="checkbox"/>	0	0	10	Analog
Kilo Watt Saat	kWH	<input type="checkbox"/>	0	0	150.000	Analog
Percentage	%	<input type="checkbox"/>	0	0	100	Analog
Sembol İçermeyenler		<input type="checkbox"/>	0	0	0	Analog
Volt Amper	VA	<input type="checkbox"/>	0	0	0	Analog
Volt Amper Reaktif	Var	<input type="checkbox"/>	0	0	0	Analog
Voltage	V	<input type="checkbox"/>	0	0	380	Analog
Watt	W	<input type="checkbox"/>	0	0	0	Analog

Kullanıcı: admin



# Asset Management

Varlık - DCIM Express

Yeni Klonla Devre Dışı Bırak Etkinleştir Kaydı Aç Yenile Kapat Önceki Kayıt Sonraki Kayıt Aranacak me... Arama

Kayıt Oluşturma Düzenleme Kayıt Düzenle Kaydı Aç Görünüm Kapat Records Navigation Genel Arama Metni

Navigation a x

- Varlık
  - Varlık
  - Varsayılan
  - Bilgilerim
  - Olay Günlüğü
  - Olay Günlüğü
  - İzleme
  - Alarm Günlüğü
  - Alarmlar
  - Kamera
  - Grafiksel İzleme
  - Lokasyon
  - Mimik
  - Etiyet Günlüğü
  - Kullanıcı Etiketi
- Raporlar
  - Analiz
  - Raporlar
- Ayarlar
  - Alarm Tanımı
  - Alarm Düzeyi
  - Dashboard Tanımı
  - Lokasyon Ayarları
  - Mimik Ayarları
  - Yazı Tipi
  - Sistem Ayarları
  - Etiket Türü
  - Birim
- Dashboards
  - Kapı Kullanım Sıklığı
  - UserTag

Etkin	Adı	Tür	E-mail/sms	Mali Gönder	SMS Gönder	İletim Tipi
<input type="checkbox"/>	Adana - Seyhan	DC100	0	<input type="checkbox"/>	<input type="checkbox"/>	Modbus
<input type="checkbox"/>	Adana - Seyhan - Reaktif Güç Kontrol Rölesi	Diğerleri	0	<input type="checkbox"/>	<input type="checkbox"/>	Modbus
<input checked="" type="checkbox"/>	DCT200	Diğerleri	0	<input type="checkbox"/>	<input type="checkbox"/>	Modbus
<input type="checkbox"/>	Denizli - Bayramyeri	DC100	0	<input type="checkbox"/>	<input type="checkbox"/>	Modbus
<input type="checkbox"/>	Denizli - Bayramyeri - Reaktif Güç Kontrol Rölesi	Diğerleri	0	<input type="checkbox"/>	<input type="checkbox"/>	Modbus
<input type="checkbox"/>	İstanbul - Alemdağ	DC100	0	<input type="checkbox"/>	<input type="checkbox"/>	Modbus
<input type="checkbox"/>	İstanbul - Alemdağ - Reaktif Güç Kontrol Rölesi	Diğerleri	0	<input type="checkbox"/>	<input type="checkbox"/>	Modbus
<input type="checkbox"/>	İstanbul - Alemdağ - UPS	Diğerleri	0	<input type="checkbox"/>	<input type="checkbox"/>	SNMP
<input type="checkbox"/>	İstanbul - Şişli	DC100	0	<input type="checkbox"/>	<input type="checkbox"/>	Modbus
<input type="checkbox"/>	İstanbul - Şişli - Reaktif Güç Kontrol Rölesi	Diğerleri	0	<input type="checkbox"/>	<input type="checkbox"/>	Modbus

Kullanıcı: admin

# Alarm Definitions

Alarm Tanımı - DCIM Express

Yeni Sil Klonla Kaydı Aç Yenile Kapat Önceki Kayıt Sonraki Kayıt Aranacak me... Arama

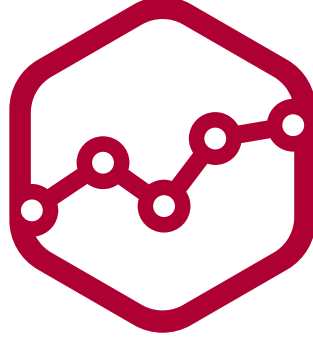
Kayıt Oluşturma Düzenleme Kaydı Aç Görünüm Kapat Records Navigation Genel Arama Metni

Navigation a x

- Varlık
  - Varlık
  - Varsayılan
  - Olay Günlüğü
  - Olay Günlüğü
  - İzleme
  - Alarm Günlüğü
  - Alarmlar
  - Kamera
  - Grafiksel İzleme
  - Lokasyon
  - Mimik
  - Etiyet Günlüğü
  - Kullanıcı Etiketi
- Raporlar
  - Analiz
  - Raporlar
- Ayarlar
  - Alarm Tanımı
  - Alarm Düzeyi
  - Dashboard Tanımı
  - Lokasyon Ayarları
  - Mimik Ayarları
  - Yazı Tipi
  - Sistem Ayarları
  - Etiket Türü
  - Birim
- Dashboards
  - Kapı Kullanım Sıklığı
  - UserTag

Adı	Çok	Çok	Çok	Çok	Yüksek	Yüksek	Yüksek	Düşük	Düşük	Düşük	Düşük	Çok	Çok	Çok Düşük	Çok Düşük	Alarm	Yorum	Açılır	Siren
Elektrik Yok	<input type="checkbox"/>	0	<input type="checkbox"/>	0	<input type="checkbox"/>	0	<input type="checkbox"/>	0	0	0	0	<input checked="" type="checkbox"/>	0	0	0	Dijital		<input type="checkbox"/>	<input type="checkbox"/>
Jeneratör Seviye Alarmı	<input type="checkbox"/>	0	<input type="checkbox"/>	0	<input type="checkbox"/>	0	<input checked="" type="checkbox"/>	70	Jenerato...	Önemli	<input checked="" type="checkbox"/>	40	Jenerato...	Kritik	Yüzde		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nem Alarmı	<input checked="" type="checkbox"/>	75	Nem De...	Kritik	<input checked="" type="checkbox"/>	65	Nem De...	Önemli	<input type="checkbox"/>	0	<input type="checkbox"/>	0	0	0	0	Nem		<input type="checkbox"/>	<input type="checkbox"/>
Sıcaklık Alarmı	<input checked="" type="checkbox"/>	35	Sıcaklık Ç...	Kritik	<input checked="" type="checkbox"/>	30	Sıcaklık Y...	Önemli	<input type="checkbox"/>	0	<input type="checkbox"/>	0	0	0	0	Sıcaklık		<input type="checkbox"/>	<input type="checkbox"/>
Su Kaçağı Alarmı	<input type="checkbox"/>	0	<input type="checkbox"/>	0	<input type="checkbox"/>	0	<input type="checkbox"/>	0	0	0	<input checked="" type="checkbox"/>	0	Sistemd...	Kritik	Dijital		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UPS Alarmı	<input checked="" type="checkbox"/>	1	UPS Hatası	Kritik	<input type="checkbox"/>	0	<input type="checkbox"/>	0	0	0	<input type="checkbox"/>	0	0	0	0	Dijital		<input type="checkbox"/>	<input type="checkbox"/>
UPS Bypass Alarmı	<input checked="" type="checkbox"/>	1	UPS Byp...	Kritik	<input type="checkbox"/>	0	<input type="checkbox"/>	0	0	0	<input type="checkbox"/>	0	0	0	0	Dijital		<input type="checkbox"/>	<input type="checkbox"/>
UPS Giriş Voltajı Yok	<input type="checkbox"/>	0	<input type="checkbox"/>	0	<input type="checkbox"/>	0	<input type="checkbox"/>	0	0	0	<input checked="" type="checkbox"/>	10	UPS'de E...	Kritik	Voltaj	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UPS Kalan Akü Seviyesi	<input type="checkbox"/>	0	<input type="checkbox"/>	0	<input type="checkbox"/>	0	<input checked="" type="checkbox"/>	70	Akü sevi...	Önemli	<input checked="" type="checkbox"/>	40	Akü sevi...	Kritik	Yüzde		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UPS Sıcaklık Alarmı	<input checked="" type="checkbox"/>	50	UPS sıcak...	Kritik	<input checked="" type="checkbox"/>	40	UPS sıcak...	Önemli	<input type="checkbox"/>	0	<input type="checkbox"/>	0	0	0	0	Sıcaklık		<input type="checkbox"/>	<input type="checkbox"/>

Kullanıcı: admin



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 **konzek**  
keep it short and simple