PRTG Info-   updated: 5/15/2023

Caution on Discovery mode – There is at least one model IRD (old model in like DSR 4410md or D9828 series) that when subjected to the repeated unsuccessful connection attempts during discovery mode reboots the IRD once an hour.

D9858 – Each of 2 UAs authorized can decrypt and output 1 Transcoded feed and one Native Format.

- Firmware – 4.8
- MIB -
- ICON - /icons/devices/vendors_Cisco28x28.png
- Sensor Info - SNMP Custom Advanced
    - Sensor listed is for RF1port 1

Name	OID	Value Type	Unit	CustomUnit	Scaling
CN Margin	1.3.6.1.4.1.1429.2.2.5.5.3.1.1.6.1	Absolute	custom	db	1
Input Level	1.3.6.1.4.1.1429.2.2.5.5.3.1.1.7.1	Absolute	custom	dbm	1
	Last digit in OID is RF port ↑				

D9859 - Each UA authorized can decrypt and output 1 Transcoded feed and one Native Format.

- Firmware – 1.95
- MIB -
- ICON - /icons/devices/vendors_Cisco28x28.png
- Sensor Info - - SNMP Custom Advanced
    - Sensor listed is for RF1port 1

Name	OID	Value Type	Unit	CustomUnit	Scaling
CN Margin	1.3.6.1.4.1.1429.2.2.5.5.3.1.1.6.1	Absolute	custom	db	1
Input Level	1.3.6.1.4.1.1429.2.2.5.5.3.1.1.7.1	Absolute	custom	dbm	1
	Last digit in OID is RF port ↑				

D9800 – Up to 16 Channels available with licensing. ZIXI, SRT,MPEGOIP and more depending on Hardware installed as well. Syslog monitoring available as well.

- Firmware – 6.0
- MIB -
- ICON - /icons/devices/vendors_Cisco28x28.png (Need Synamedia Icon)
- Sensor Info - - SNMP Custom Advanced
    - Sensor listed is for RF1port 1

Name	OID	Value Type	Unit	CustomUnit	Scaling
CN Margin	1.3.6.1.4.1.1429.2.2.5.5.3.1.1.6.1	Absolute	custom	db	1
Sig Level	1.3.6.1.4.1.1429.2.2.5.5.3.1.1.7.1	Absolute	custom	dbm	1
	Last digit in OID is RF port ↑				

D9850 – Seriously old simple IRD with questionable metering. Must use IE mode on browser to access.

- Firmware – 2.61
- MIB -
- ICON - /icons/devices/ scientific-atlanta-Transparent28x28.png
- Sensor Info - - <mark>SNMP Custom Advanced</mark>
  - o Sensor listed is for RF1port 1 and docs say it is dbm +100 and ideal is supposed to be 50 (which would be -50dbm which is too low to be correct so we call the units Magic Beans and try and keep it around 50.

Name	OID	Value Type	Unit	CustomUnit	Scaling
BERx10k	1.3.6.1.4.1.1429.2.2.4.5.4.1.10.1	Absolute	custom		10000
Sig Level	1.3.6.1.4.1.1429.2.2.4.5.4.1.12.1	Absolute	custom	Magic Beans	1

D9828 – Seriously old simple IRD with questionable metering recently retired

- Firmware – ?
- MIB -
- ICON - /icons/devices/ scientific-atlanta28x28.png
- Sensor Info - - <mark>SNMP Custom Advanced</mark>
  - o Sensor listed is for RF1port 1 and docs say it is dbm +100 and ideal is supposed to be 50 (which would be -50dbm which is too low to be correct so we call the units Magic Beans and try and keep it around 50.

Name	OID	Value Type	Unit	CustomUnit	Scaling
BERx10k	1.3.6.1.4.1.1429.2.2.6.1.12.1.1.9.1	Absolute	custom		10000
Sig Level	1.3.6.1.4.1.1429.2.2.6.1.12.1.1.11.1	Absolute	custom	Magic Beans	1

DSR4410md – Seriously old simple MIRD. Recent Firmware has blank user and password and PW can be changed.
SNMP communities are fixed at "public"

- Firmware – 0x292.02
- MIB -
- ICON - /icons/devices/ Logo-Motorola-Brite_Grn_14x14.png
- Sensor Info - - <mark>SNMP Custom Advanced</mark>
  - o Sensor listed is for RF1. VCT and Chan were also tested but not generally used. Input power listed as db but probably dbm.

Name	OID	Value Type	Unit	CustomUnit	Scaling
Quality	.1.3.6.1.4.1.1166.1.621.11.8.0	Absolute	%		
Eb/No	.1.3.6.1.4.1.1166.1.621.11.10.0	Absolute	custom	db	\10
Power	.1.3.6.1.4.1.1166.1.621.11.9.0	Absolute	custom	db	\10
VCT	.1.3.6.1.4.1.1166.1.621.11.5.0				
CH	.1.3.6.1.4.1.1166.1.621.3.1.2.0				

DSR6401 – Single channel transcoding IRD. Recent Firmware has blank user and password and neither can be changed. SNMP communities are fixed at "public" as well though write community has not been tested.

- Firmware – 0x292.02
- MIB -
- ICON - /icons/devices/ motorola-logoGreen28x28.png
- Sensor Info - - <mark>SNMP Custom Advanced</mark>
    - Sensor listed is for RF1. VCT and Chan were guessed based on similarity with 4410md. Input power listed as db but probably should be dbm.

Name	OID	Value Type	Unit	CustomUnit	Scaling
Quality	.1.3.6.1.4.1.1166.1.621.11.8.0	Absolute	%		
Eb/No	.1.3.6.1.4.1.1166.1.621.11.10.0	Absolute	custom	db	\10
Power	.1.3.6.1.4.1.1166.1.621.11.9.0	Absolute	custom	db	1
VCT	.1.3.6.1.4.1.1166.1.621.11.5.0				
CH	.1.3.6.1.4.1.1166.1.621.3.1.2.0				
	VCT and CH OID guess based on 4410md				

DSR6100 – Single channel ESPN/Disney transcoding IRD. Disney variant has user,password and community string all<password>. ESPN variant has espn as community string. Earliest version had User:PW as Keystone:KeystoneUser none currently in service. Uplink may need to authorize web access.

- Firmware –
- MIB -
- ICON - /icons/devices/ motorola-logoGreen28x28.png
- Sensor Info - - <mark>SNMP Custom Advanced</mark> v2c
    - Sensor listed is for RF1. VCT and Chan were guessed based on similarity with 4410md. Input power listed as db but probably should be dbm.

Name	OID	Value Type	Unit	CustomUnit	Scaling
Quality	.1.3.6.1.4.1.1166.1.621.11.8.0	Absolute	%		
Eb/No	.1.3.6.1.4.1.1166.1.621.11.10.0	Absolute	custom	db	\10
Power	.1.3.6.1.4.1.1166.1.621.11.9.0	Absolute	custom	db	1

DSR6000 – Single channel HD and FoxSD decoding to CompBB IRD. Can only Output HD ASI or GigE and only and SD version on CompBB. User: Keystone PW: KeystoneUser After Fox provisioned User and Password were changed to <BartisCool> Temps were tested for just for grins.

- Firmware –
- MIB -
- ICON - /icons/devices/ motorola-logoGreen28x28.png
- Sensor Info - - <mark>SNMP Custom Advanced</mark>
    - Sensor listed is for RF1. Temperature was monitored just for test purposes.

Name	OID	Value Type	Unit	CustomUnit	Scaling
Quality	.1.3.6.1.4.1.1166.1.621.11.8.0	Absolute	%		
Eb/No	.1.3.6.1.4.1.1166.1.621.11.10.0	Absolute	custom	db	\10
Power	.1.3.6.1.4.1.1166.1.621.11.9.0	Absolute	custom	db	1
Temp Left	.1.3.6.1.4.1.1166.1.621.9.5.1.0	Absolute	temperature		
Temp Right	.1.3.6.1.4.1.1166.1.621.9.5.2.0	Absolute	temperature		

DSR7401 – Multi channel SD Transcoding IRD. Capable of outputting a passthrough of the HD stream without transcoding if authorized by uplink. Earliest firmware versions had no snmp capabilities. **Careful: Any Input port can be routed to any of the 4 tuners. The SNMP listed below monitors the Tuner.**

- Firmware –
- MIB -
- ICON - /icons/devices/ Arris28x28.png
- Sensor Info - - SNMP Custom Advanced
  - Sensor listed is for Tuner1.

Name	OID	Value Type	Unit	CustomUnit	Scaling
T1 Power	.1.3.6.1.4.1.1166.1.624.3.5.1.1.7.1	Absolute	custom	dbm	
T1 Eb/No	.1.3.6.1.4.1.1166.1.624.3.5.1.1.6.1	Absolute	custom	db	\10
	Last digit in OID is RF port ↑				

DSR7403 – 3 channel HD/SD Transcoding IRD. Capable of outputting a passthrough of the HD stream without transcoding if authorized by uplink.   **Careful: Any Input port can be routed to any of the 4 tuners. The SNMP listed below monitors the Tuner.**

- Firmware –
- MIB -
- ICON - /icons/devices/ Arris28x28.png
- Sensor Info - - SNMP Custom Advanced
  - Sensor listed is for Tuner1.

Name	OID	Value Type	Unit	CustomUnit	Scaling
T1 Power	.1.3.6.1.4.1.1166.1.624.3.5.1.1.7.1	Absolute	custom	dbm	
T1 Eb/No	.1.3.6.1.4.1.1166.1.624.3.5.1.1.6.1	Absolute	custom	db	/10
	Last digit in OID is RF port ↑				

XOS – Harmonic Server based IRD . Hits version does not yet support SNMP

- Firmware – 1.17.4.0.347
- MIB -
- ICON - /icons/devices/Harmonic_XOS_Logo28x28.png v2c
- Sensor Info - - SNMP Custom Advanced
  - Sensor listed is for Tuner1.

Name	OID	Value Type	Unit	CustomUnit	Scaling
T1 Power	.1.3.6.1.4.1.1563.200.2.1.1.1.3.1	Absolute	custom	dbm	/100
T1 Eb/No	.1.3.6.1.4.1.1563.200.2.1.1.1.4.1	Absolute	custom	db	/100
T1 LinkMargin	.1.3.6.1.4.1.1563.200.2.1.1.1.5.1	Absolute	custom	db	/100
T1 C/N	.1.3.6.1.4.1.1563.200.2.1.1.1.6.1	Absolute	custom	db	/100
	Last digit in OID is RF port ↑				

PVR7100 – Harmonic IRD .

- Firmware –
- MIB -
- ICON - /icons/devices/HarmonicLogo.png
- Sensor Info - - <mark>SNMP Custom Advanced</mark>
  - o Sensor listed is for Tuner1.

Name	OID	Value Type	Unit	CustomUnit	Scaling
T1 Eb/No	.1.3.6.1.4.1.1563.4466.1.1.1.3.1.1.1.1.1.1.1.1.1.5.289406977	Absolute	custom	db	/100
T1 LinkMargin	.1.3.6.1.4.1.1563.4466.1.1.1.3.1.1.1.1.1.1.1.1.1.6.289406977	Absolute	custom	db	/100
T1 C/N	.1.3.6.1.4.1.1563.4466.1.1.1.3.1.1.1.1.1.1.1.1.1.9.289406977	Absolute	custom	db	/100
	Subtract 6 from last digit in OID to get RF port ↑				

Evertz 7801 – CBS IRD

- Firmware –
- MIB -
- ICON - /icons/devices/EvertzLogo.png
- Sensor Info - - <mark>SNMP Custom Advanced</mark>
  - o Sensor listed is for Tuner1.

Name	OID	Value Type	Unit	CustomUnit	Scaling
T1 Power	1.3.6.1.4.1.6827.10.361.40.1.1.18.1.2	Absolute	custom	dbm	
T1 Es/No	1.3.6.1.4.1.6827.10.361.40.1.1.17.1.2	Absolute	custom	db	/10
T1 Es/NoMargin	1.3.6.1.4.1.6827.10.361.40.1.1.22.1.2	Absolute	custom	db	/10
	Second to last digit in OID is RF port ↑				