NAME

devIcv714.c − ADAS ICV714 & ICV712 Device Support for EPICS R3.14.

SYNOPSIS

Functions

void **icv714OutValue** (int card, int signal, int value)
void **icv714StoreValues** (int card)

Variables

int **devIcv714Verbose** = 0

Detailed Description

ICV714 Device Support accepts up to 4 boards in a VME crate, starting from address **0x600000** with an increment of 0x100. The obsolete board ICV712 is also supported.

It supports AO record type. The device type **DTYP** is **ICV714**.

The following IOC shell functions allow to change the ICV714 device configuration. They may be called from an application, from the shell or from a startup script.

Function Documentation

void icv714OutValue (int card, int signal, int value)

This IOC shell function changes the binary output value of a channel in RAM. To make this change permanent, it is necessary to store the values in the on board NOVRAM by calling **icv714StoreValues()**;

Parameters:

card [in] ICV714 card number. Valid range: 0 to 3

signal [in] signal number. Valid range: 0 to 15

value [in] signal value. Valid range: 0 to 4095

void icv714StoreValues (int card)

This IOC shell function stores the current signal output values in permanent memory NOVRAM. At power-on these values will be loaded into RAM thus allowing the board to output pre-defined values before the EPICS software startup.

Parameters:

card [in] ICV714 card number. Valid range: 0 to 3

Variable Documentation

int devIcv714Verbose = 0

This IOC shell variable allows to print debug messages. Valid range is:

- 0 no message is printed
- 1 messages at initialization are printed
- 2 initialization and I/O messages are printed

Author

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